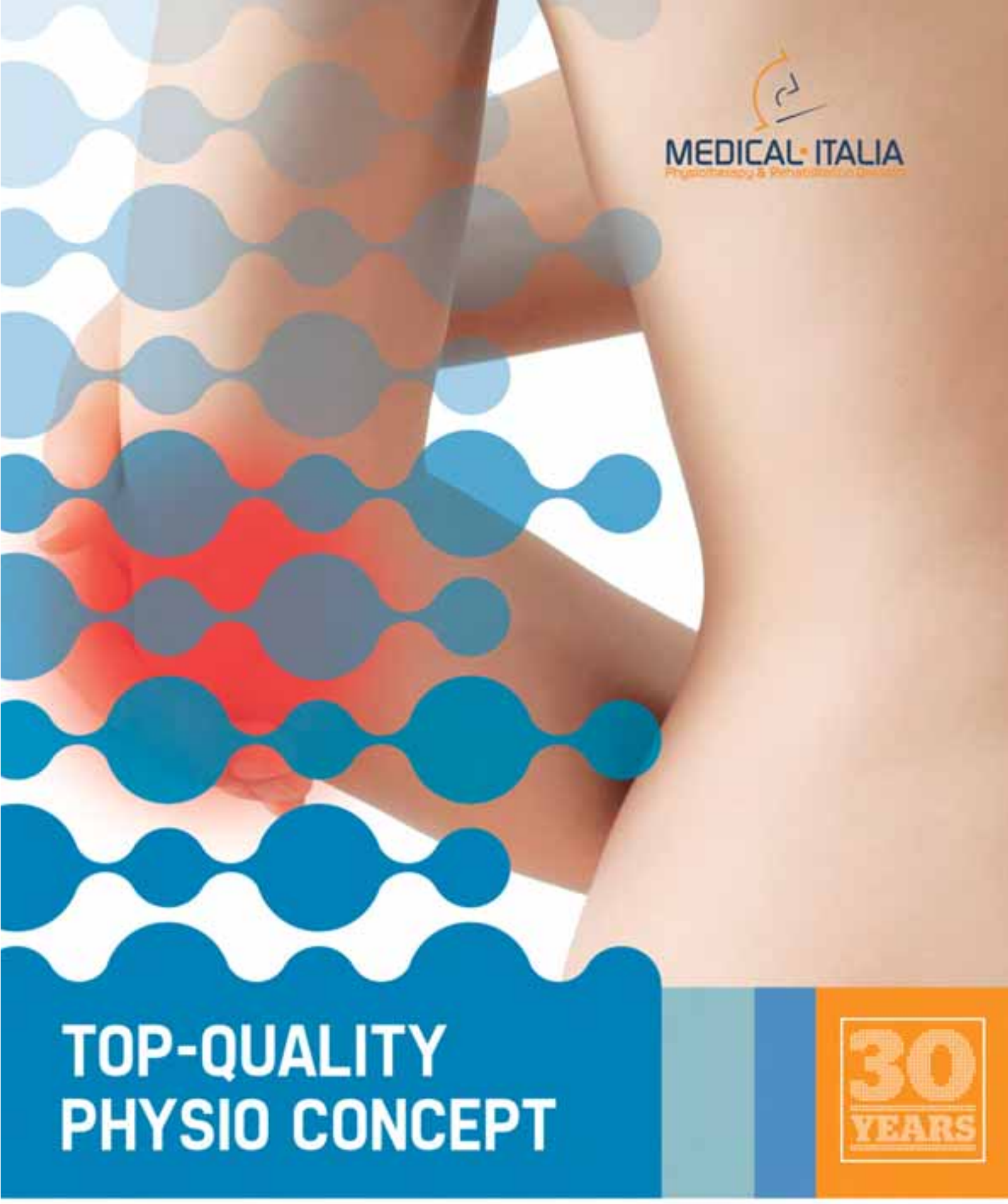

MEDICAL ITALIA

TOP-QUALITY PHYSIO CONCEPT

30 YEARS

ELECTRONIC EQUIPMENT FOR PHYSIOTHERAPY, SPORT MEDICINE AND REHABILITATION

EME srl - Health & Beauty Technology

Electronic Medical Equipment

EME

Health & Beauty Technology

ELECTROTHERAPY
VACUUM THERAPY
ULTRASOUNDS
COMBINED DEVICES

MAGNETIC THERAPY
RADAR THERAPY
LASER THERAPY
HIGH POWER LASER

PRESSURE THERAPY
SHOCK WAVES
ENDODIATHERMY

Electronic Medical Equipment

EME

Health & Beauty Technology

EME SRL

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_EME THE GROUP

_FOR EVERYONE, EVERYWHERE, EVERY TIME

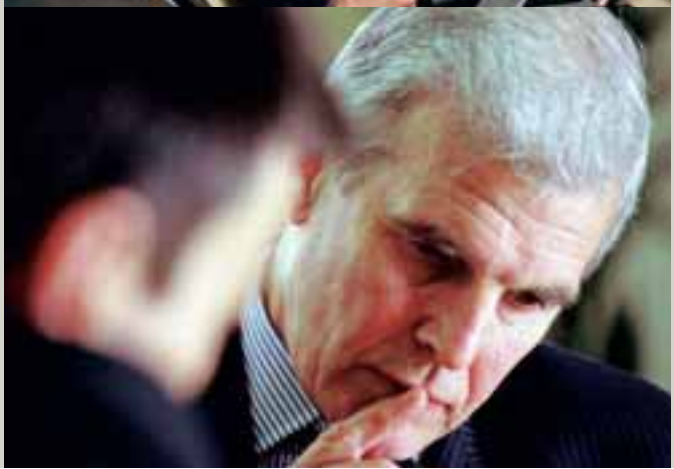
EME was created in 1983, since then EME has become an industrial group thanks to the experience of professionals in the fields of production and technological innovation. The new lines of safe and reliable equipment for Physiotherapy, Aesthetics and Aesthetic Medicine have allowed EME to successfully develop its offer in 60 countries around the world, with a production proudly marked Made in Italy. EME has created 5 divisions in order to concentrate and optimise the company resources in each product sector. Each product follows the vision of EME: we offer quality, innovative solutions and high-tech devices for everybody, everywhere, every time.

_A STRONG CORPORATE IDENTITY

Since its birth, EME has been updating the vision that guides its development and values in support of its actions. The aim has always been to focus on the creative and production energies to create a unique and strong corporate identity. EME has been true to its values and has applied this very practical and participative approach by investing since the beginning in resources of technological innovation to create a range of cutting-edge products. Our real estate is not just the industrial property, but also the intellectual assets of men who have been working with us for over 30 years. Research and development are two pillars of EME.

_MISSION

Our Mission is to provide our cutting-edge technology to the international markets, to become a trusted partner for whom relies on us to achieve successful targets, to devise ad-hoc solutions that meet the needs of our partners, to search for new solutions in the design and characteristics of each product and to invest on quality and excellence Made in Italy.



_ OUR VALUES

_ OUR VALUES

INNOVATION applied in the research and development of technologically advanced products and in the offer of qualified services, oriented to the total satisfaction of the Client, who is the real employer of our company.

VALUE OF HUMAN RESOURCES involving and motivating each employee of the company.

VALUE OF HEALTH each environment inside the company is equipped with a device for air depollution to protect the health of each employee.

INDUSTRIAL VOCATION applied in the development and production of high-performance quality products.

RESPECT OF THE ENVIRONMENT at EME we are replacing more and more paper with digital documents and we use materials and paints with a low environmental impact.

_ RESEARCH AND DEVELOPMENT

The department of Research and Development is the heart of EME group. In the R&D department our specialists process the inputs from the users in order to develop new products, improve existing ones and make them all unique products that stand out from those of our competitors.

_ EME QUALITY SYSTEM

EME Srl is certified ISO 9001:2008 and ISO 13485:2004. Each piece of equipment is supplied with a testing certificate in compliance with current regulations.
Furthermore, all medical devices comply with European regulations and they are marked CE0476 (directive 93/42/CEE).

THE DIVISIONS OF EME GROUP

MANY SOULS IN ONE HEART

EME created 5 divisions in order to concentrate and optimise the company resources in each product sector. Each division has a dedicated workgroup which aims at offering ever innovative solutions and high-tech devices in line with corporate values and mission.

MEDICAL• ITALIA
Physiotherapy & Rehabilitation Division

MEDICAL ITALIA

Division for designing and producing physical therapy and rehabilitation devices. Medical Italia offers a whole range of devices for physical therapy with different options to meet the different needs of the final users. A high-quality brand for reliable and easy-to-use devices.

TECNOLOGIE MEDICHE
Aesthetic Medicine Division

TECNOLOGIE MEDICHE

Division for designing and producing aesthetic medicine devices. EME's quality and experience in the medical sector is meant for those who work in the field of aesthetic medicine. The medical devices are in compliance with the directives 93/42/EEC, CE 0476 mark, and are designed and produced taking into account the needs of the doctors.

ESTETIC ITALIA
aesthetics division

_ESTETIC ITALIA

Division for designing and producing beauty care devices. Estetic Italia is the "MEDITATED TECHNOLOGY", for all those who work in the beauty care sector and need forefront, fundamental and easy-to-use devices as well as the guarantee of great results and high quality.

OEM
PROJECT AND MANUFACTURING DIVISION

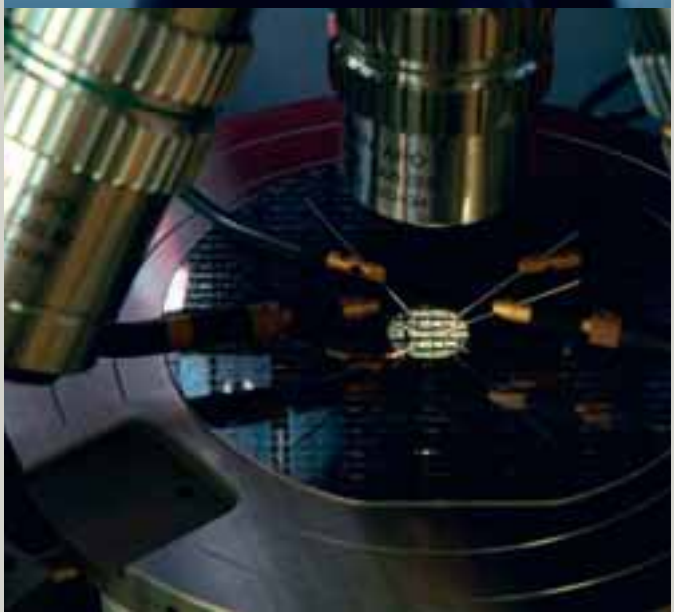
_OEM

Division for the production for third parties.
OEM designs and produces customized devices for physical therapy, beauty care and aesthetics.
Our technology is at your disposal!

prima
INNOVATION DIVISION

_PRIMA

Department for the creation of innovative products.



OUR CUSTOMERS ARE OUR STRENGTH

EME REFERENCES

ITALY
- Fondazione Santa Lucia, Roma
- Istituto Santo Stefano, Ancona
- Ospedale Umberto I, Napoli
- Ospedale di Palermo
- 1° Reggimento Carabinieri Paracadutisti
  Estav Nord Ovest / Centro / Sud Est (Toscana)
- Fondazione Don Carlo Gnocchi
- Azienda San. Alto Adige - Comprensorio San. Bolzano

SPAIN
- Area de Salud 5/6
- Consilleria de Sanidad de la Comunidad Valenciana
- Centro de Atencion a mayores de la Generalidad, Valencia
- Conselleria de bienestar Social De Valencia
- Centro Medico Zulaica, Madrid
- Hospital de Henares de Madrid
- Fisiocentro Leon
- Servicio Aragones de Salus de Aragona

PORTUGAL
- Clinica do Palacio, Lda, Peso de Regua
- Clinica Med. Fisica e Reabilitacao de Vizela, Lda, Guimaraes
- Cupido Clinico – Servicos de Saude, Lda, Riba de Ave

FRANCE
- Kinésithérapeute Brasier Pierre, Annecy
- Ecole Nationale de Kinesitherapie

GERMANY
- Tino Roth, Worbis
- Sportphysio Bitburg , Bitburg

SWITZERLAND
- Physio am Bahnhof, Rueti

UK
- The Dove clinic for integrated medicine, Hampshire
- Physiotherapy and Sport Injury Clinic, Oxfordshire

ROMANIA
- Hospital of Constanca
- Sanatorium Busteni

CROATIA
- Daruvarske Toplice
- Specijalna Bolnica Za Medicinsku Rehabilitaciju

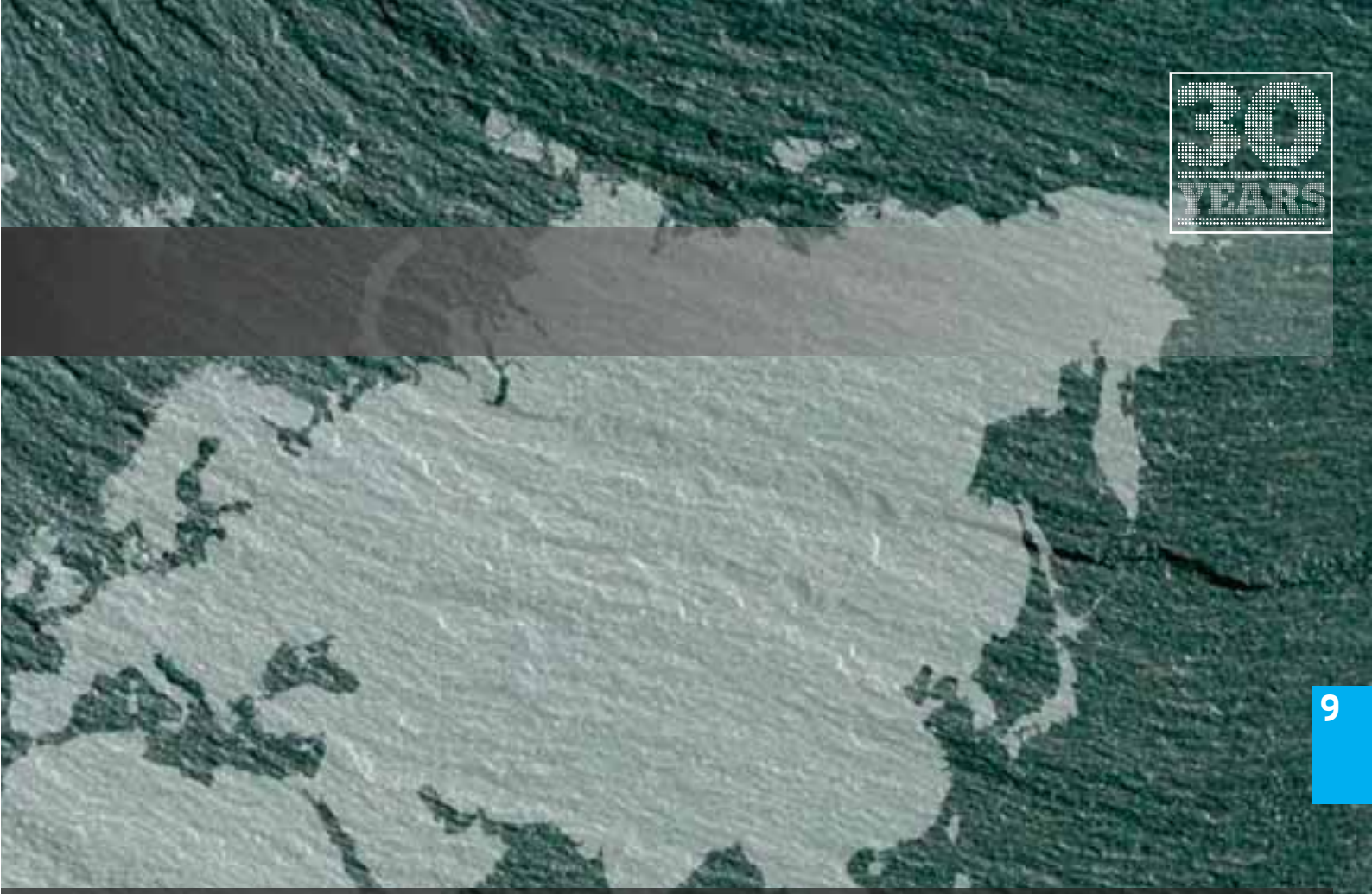
SERBIA AND MONTENEGRO
Clinical center belgrade :
- Spa soko banja
- Basketball club fmp
- Hospital center loznica
- Hospital center cuprija

GREECE
- General Hospital of Attika, Athens
- Special Centre of handicap, Athens
- General Hospital of Lesvlo Ishland

LITHUANIA
- Sirvintu Hospital
- Druskininku Hospital
- Klaipeda Seamens Clinic

INDIA
- Dg sports authority of india
- All india institute of medical sciences
- Doon hospital.
- Guru jambashwer university
- Dolphin college
- College applied education
- I.I.Mt. Medical hospital and college

PAKISTAN
- Isra Islamic foundation Limited, Hyderabad
- North Nazimabad Hospital
- Wapda Complex Hospital, Feroze Pur Road, Lahore
- Arm Forces Institute Rehabilitation



ETHIOPIA
- Assella Hospital, Addis Abeba

EGYPT
- Police Academy, Cairo
- El Tawheed Medical Center, Port Said City
- Federal Assosiation of Football, Cairo
- Local Association Heliopolis Kholafaa Rashdeen, Cairo
- Local Association in Menoufiay Governorate
- Kader Factory Medical Center Military Forces, Cairo
- Ministry of Health, Port Said City
- Ministry of Health, Ismailia City
- Hanin Medical Center , Suez City
- El Zeiny Medical Center , Alexandria
- Red Cresent Association, Kalioubia City
- Sedky Medical Center, Cairo
- Ministry of Health, Shoubra City

SAUDI ARABIA
- Bagedo Hospital, Jeddah
- K.S.A Hospital, Riyadh

JORDAN
- University Hashemite, Amman
- UNRWA, Amman

LEBANON
- Laro Medical center, Beirut

BAHREIN
- Physical therapy and Rehab center, Manama

OMAN
- German orthopaedic Centre, Muscat

INDONESIA
- Imanuel Hospital at Bandar Lampung
- Harapan Bunda Hospital at Jakarta
- Permata Hospital at Jakarta
- Retna Clinic at Jakarta

MALAYSIA
- Pantai Hospital, Kuala Lampur

BELARUS
- Maternity Hospital of the Minsk region
- Republic Center for Medical Rehabilitation and Balneotherapy, Minsk

AZERBAIJAN
- Medical hospital Neurospine, Baku
- Medical center Tebriz, Baku

TURKMENISTAN
- Farab Sanatorium, Farab

KAZAKISTAN
- "Republic Scientific Center of Neurosurgery" of the Ministry of Healthcare of the Republic of Kazakhstan, Astana

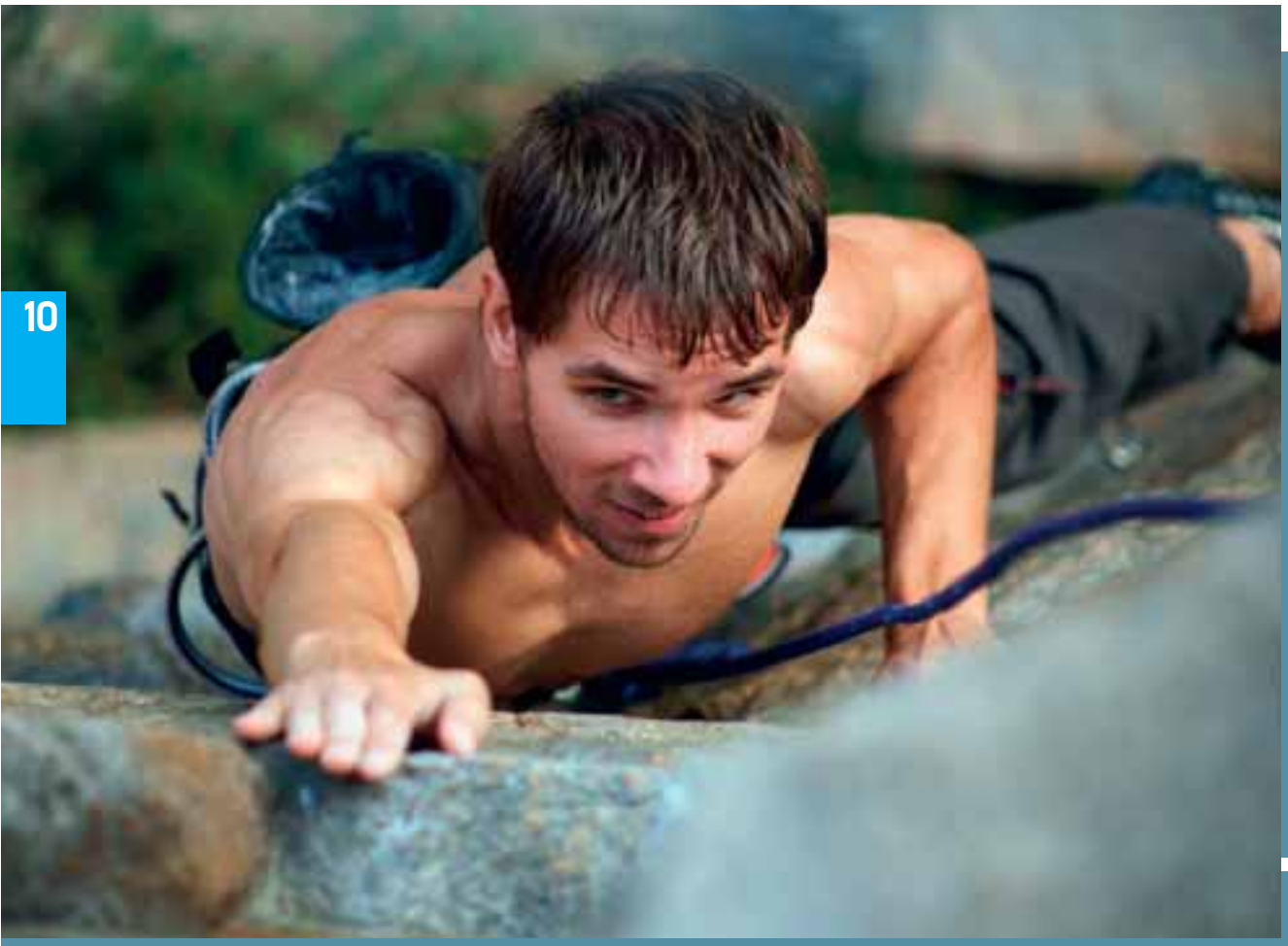
RUSSIAN FEDERATION
- FGBU "Scientific Research Institute of Cardiology, Tomsk
- Altamedika, Moscow
- FMBA Hospital № 85, Moscow
- FMBA Hospital №86, Moscow
- GUVD Police Hospital, Moscow
- MVD Police Hospital, Moscow
- Medical Center, Samara

UKRAINE
- Institute of traumatology and orthopedics of the Academy of medical sciences of Ukraine, Kiev
- Medical Center of Rehabilitation of railwaymen of PZZ, Hmil'nik

Electronic Medical Equipment
EME
Health & Beauty Technology

_FOR A UNIQUE PERFORMANCE

The new EleKta line by Medical Italia was created to meet the needs of professionals in the sector: they are ever more looking for innovation and for products that can improve the results of their work and simplify their tasks.
The EleKta line support the professionals in their work, guiding them step by step to deliver the best treatment while providing on display useful information on it.



_CHARACTERISTICS OF ELEKTA LINE

COLOUR TOUCH-SCREEN DISPLAY
All devices have a 8” colour touch-screen display, you just need to touch it to provide all therapeutic applications.

PROGRAMS IN MEMORY
The devices of EleKta line are provided with selected scientifically validated applications and have a wide library of work protocols.

ONLINE HELP
The protocols in memory show also information on their use and, when accessing directly to the therapy page, the exact positioning of the electrodes is visualised on the screen.

_ELEKTA LINE

30 YEARS

_SHOCK MED

_BIPOWER LUX

_HR TEK

_ELEKTRA

_CRYSTAL YAG

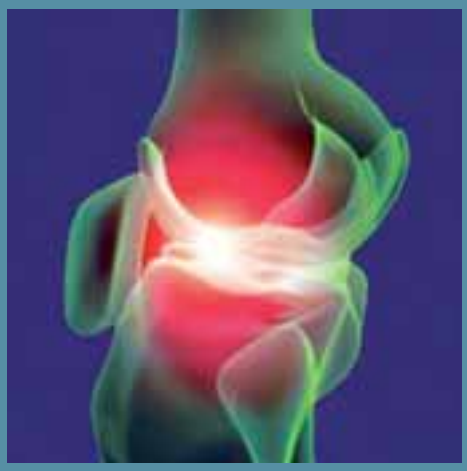
_K-SOUND

SELECTION FROM ANATOMIC AREAS
By selecting the body area to be treated you can access a list of localised protocols.
This system makes it simpler to use the various work protocols installed in our devices.

MP3
The therapy becomes a relaxing moment.
Finally now your patient can listen to relaxing melodies while being treated and you can enjoy your favourite tunes every minute of your precious time spent during treatment. In addition to many preloaded files you can also upload your music files.

USB KEY
One of the distinctive elements of Medical Italia equipment is the USB Key, an external memory support where you can create and save new personalised protocols and new patient files.

SHOCKWAVE



_NEW GENERATION TECHNOLOGY

Shockwaves are acoustic waves that deliver high energy. They pass through the skin surface and spread in a radial way through the body in the painful area. Shock Med delivers radial (ballistic) shockwaves. The shockwave is generated in a special gun-shaped applicator: a steel bullet is shot against a metallic lid inside the barrel of the applicator by means of compressed air (pressure up to 5 bar).

This process generates a shockwave that spreads in a radial way through the skin and the first tissue layer under it or in a focused way (depending on the transmitter used).
The body responds by increasing metabolic activity in the area being treated and this helps to reduce the inflammation caused by the pain-killing action of released local endorphin. This system stimulates and accelerates the healing process.
The penetration depth varies from 4 to 7 cm.
.

Main application fields:
- **orthopaedics**
- **rehabilitation**
- **sport medicine**
- **aesthetic medicine**

_ SHOCK MED

SHOCK MED
SW1352
Device for radial shockwaves, power up to 5 bar, adjustable frequency 1-21 Hz

_ INDICATIONS:

Shockwave therapy is the best treatment for chronic insertional tendinopathies, characterised by poor vascularisation of the osteotendinous junction, when the physiotherapeutic treatment (infiltrations and laser therapy) has proved ineffective.

These are the main pathologies treated with shockwaves:
- Elbow – epicondylitis, epitrocleitis
- Shoulder - insertional tendinopathies, impingement
- Knee – patellar and "goose's foot" tendinopathies
- Pubis – adductor tendinopathies (pubalgy)
- Ankle – achilles tendinopathy, calcaneal apophysis

_ THE SMART SHOCKWAVE THERAPY

- **Wide display**: 8" colour touch-screen
- **Procedure function**: A practical and handy application manual of the shockwave therapy, based on four fundamental steps:
  - Localise the painful area by touch;
  - Select the therapy parameters (manually or using preset programs);
  - Apply gel;
  - Start the shockwave therapy.
- **More than 40 therapeutic suggestions** grouped according to anatomical areas, specialist branches
- **Patient file** for storing all patient's data, treatments and short case history
- **Help button**: Each therapeutic suggestion shows indications on its use.
- **One–Touch mode**: by pressing just once the activation button the procedure will start and continue until the end of the therapy, or until the operator will press again the button to pause the execution of the treatment.
- **Soft Rebound System**: rebounding to the therapist's arms was reduced by 95% thanks to the new applicator developed by EME, which has an internal spring system to dampen the rebound effect.
- **USB Key** to store many personalised treatments and patient files.

SUPPLIED ACCESSORIES	SHOCK MED
Power cable	1
User manual in DVD	1
Fuses	2
USB Key	1
Shock Med applicator	1
9mm multifocused transmitter	1
15mm focused transmitter	1
15mm multifocused transmitter	1
Gel 260ml	1
Interchangeable kit	1

Optional accessories → pg. 62 Technical specifications → pg. 74

ENDODIATHERMY

_DIATHERMY WITH SENSATIONAL EFFECTS

HR TeK is an innovative therapeutic device for endothermal energetic transmission with capacitive/resistive modes. It stimulates from the inside the biological structures (tendons, muscles, joints) and natural reparative and anti-inflammatory processes of the human body.
By the interaction between electro-magnetic energy and tissue, diathermy causes the temperature inside the tissues to increase in a controlled uniform way.

HR TEK DESK
HT1343

HR TeK stimulates the increase of haematic flux in a direct way, thanks to the increase of temperature, and, indirectly, thanks to the request for oxygen by tissues treated; the increase of blood induces an increase in immune defences and stimulates tissue regeneration.

The main application fields are the following:
- **Dermatologic pathologies**
- **Traumatology**
- **Sport medicine**
- **Aesthetic medicine**
- **Skeletal muscle pain**
- **Inflammatory pathologies of joints and tendons**
- **Periarticular pathologies (bursitis, calcifications, etc..)**

_HR TEK

Available models
HR TEK DESK
HR TEK

HR TEK
HT1344

_OPERATING MODE AND BENEFITS

CAPACITIVE: the effect is concentrated in the area under the mobile electrode. It acts on soft tissues, rich in water, such as muscles, the lymphatic system etc., HR TeK, when used in capacitive mode, gives excellent results in:
- the treatment of fracture after-effects
- articular and peri-articular pathologies
- drainage of post-traumatic oedemas

RESISTIVE: it is effective with all tissues with a higher resistance and a low water content.
The biological effect is obtained in the tissues with a higher resistance interposed between the mobile electrode and the return plate, that is bones, joins, tendons, ligaments and cartilages.

HR TeK, when used in resistive mode, gives excellent results in:
- generic traumatology
- sport traumatology
- arthritis
- arthrosis
- tendinitis
- capsulitis and bursitis
- calcaneal spur syndrome

_HR TEK, LET THE WARMTH HEAL YOU

- Wide display: 8" colour touch-screen
- Output power up to 300W
- Exclusive applicator for resistive and capacitive treatments with integrated power regulating button (available only for the model HR TeK)
- Patient file for storing all patient's data, treatments and short case history
- Help button. Each therapeutic suggestion shows indications on its use
- More than 40 therapeutic suggestions grouped according to anatomical areas, specialist branches
- USB Key to store many personalised treatments and patient files
- Meter of the real treatment time by the new contact detection system
- Impedance meter displaying real time values

_HOW IT WORKS

HR TeK is composed of a generator that conveys alternate current and an application circuit, consisting in two electrodes. The electrodes are applied to the patient's body, which becomes a part of the electric circuit.
There are different types of electrodes:
- resistive type electrodes: the treatment is delivered through a resistive (non isolated) electrode that moves the charges and concentrates them in the deeper areas with a greater resistance (bone matrix and deep muscles)
- capacitive type electrodes: the capacitive contact transfer is executed through an electrode, shielded with a ceramized isolating material, that moves the charges (ions) in the subcutaneous tissues. The electrodes come in different sizes for different body areas.

SUPPLIED ACCESSORIES	HR-TEK	HR-TEK DESK
Power cable	1	1
User manual in DVD	1	1
Fuses	2	2
Applicator for resistive electrodes	1	1
Kit of resistive electrodes Ø 30-50-70-80 mm		1
Kit of resistive electrodes Ø 30-50-70 mm	1	
Applicator for capacitive electrodes	1	1
Kit of capacitive electrodes Ø 30-50-70-80 mm		1
Kit of capacitive electrodes Ø 30-50-70 mm	1	
USB Key	1	1
Bottle of conductive gel, 1000ml	1	1
Steel plate	1	

10Optional accessories → pg. 61 Technical specifications → pg. 74

ND:YAG LASERTHERAPY

_CONTINUOUS MODE AND DUTY CYCLE

Crystal Yag can work in continuous mode delivering power up to 25W, or in Duty Cycle pulsed mode which alternates an emitting period with a non-emitting period in order to decrease the "power effect" of the laser (i.e. the photo-thermal effect which induces an increase in local temperature) and, thus, cool down the tissue area treated, between pulses. This system makes the biostimulation effect of tissue more effective and significant.

_ THERAPEUTIC INDICATIONS

The protocols developed for high-power Nd:Yag laser therapy induce a rapid resolution of the most common pathologies in the following fields: orthopaedics, physiatry, dermatology, rheumatology and sport medicine.

CRYSTAL YAG DESK
HL1363

The list of the main pathologies that can be treated includes:

- **arthrosis and degenerative processes of cartilage**
- **bursitis, synovitis, capsulitis, epicondylitis, shoulder impingement syndrome**
- **tendinitis and tenosynovitis**
- **oedema and trauma haematomas**
- **post-traumatic or overload pathologies**
- **abductor syndromes, sprains, enthesitis, patellar chondropathy and sport traumatology.**

More specifically, it is possible to treat:

ACUTE PATHOLOGIES

- **Tendinopathy (tendinitis, peritendinitis, tenosynovitis, insertional and calcific tendinitis, tendinosis, partial lesions)**
- **Distortion traumas and post-traumatic oedemas**
- **Muscle lesions**
- **Synovitis and bursitis**
- **Back pain and lumbago**
- **Fibromyalgic syndrome**
- **Osteochondritis dissecans and osteochondral lesions**

DEGENERATIVE PATHOLOGIES

- **Osteoarthrosis**
- **Degenerative chondropathies**

_ CRYSTAL YAG

Available models:
CRYSTAL YAG
CRYSTAL YAG DESK

CRYSTAL YAG
HL1364

_ CRYSTAL YAG

Crystal Yag emits with a wavelength of 1064nm, which falls in the laser "therapeutic window" that spans from 400 to 1600nm. The light beam delivered by Crystal Yag can be regulated up to a maximum power of 25W, which has a high value of tissue penetration.
Its effects provide photo-chemical bio-stimulations on the cellular membrane and inside the mitochondrions, acting in depth in the tissues and inducing significant effects of metabolic, analgesic, anti-oedema, antiphlogistic stimulation.
With Crystal Yag you can treat safely all muscle-skeletal inflammatory conditions, both superficial and in depth, inducing already in the first session a decrease in pain and mobility recovery.

_ EFFECTS ON TISSUE

Significant mitochondrial stimulation with the following increase:
• Production of ATP (photochemical effect: it accelerates the transformation process of AD into ATP, the electrolyte replacement between intra and extra cellular environments).
• Activation of micro-circulation (photo-thermal effect: it activates the replacement modifying the intracapillary hydrostatic pressure).
• Activation of lymphatic peristalsis (photo-mechanical effect: the deep lymphatic system is stimulated causing a rapid absorption of the inflammatory agents with effective results also in the fluid accumulations).
• Hyper-polarization of the nerve fibre membranes causing an analgesic effect (the perceptual threshold of the algotrope endings rises up and the release of endorphin increases significantly.)

_ WINNING FEATURES

- Wide display: 8" colour touch-screen and updatable software.
- Wide choice of therapeutic suggestions grouped according to anatomical areas, specialist branches
- Patient file for storing all patient's data, treatments and short case history.
- USB Key to store many personalised treatments and patient files.
- Help button. Each therapeutic suggestion shows indications on its use.

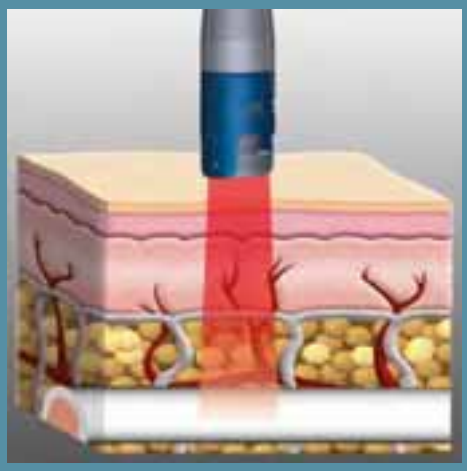
_ GUARANTEED RESULTS

- Reduction of pain, in some cases with the first treatment
- Deep action on tissues
- High biostimulating effect
- A winning combination that makes patients fully satisfied with the treatment.

SUPPLIED ACCESSORIES	CRYSTAL YAG	CRYSTAL YAG DESK
Defocused laser probe (detachable)	1	
Defocused laser probe (incorporated with the device)		1
Laser protective goggles	2	2
USB Key	1	1
User manual in DVD	1	1
Power cable	1	1
Fuses	2	2

Optional accessories → pg. 61 Technical specifications → pg. 75

HPLS HIGH POWER LASER SYSTEM



The application fields where you can get great benefits by delivering Bipower Lux laser therapy are the following:

SPORT TRAUMATOLOGY:

- Muscle strains and extensions
- Articular distorsions
- Epicondylitis
- Tendinitis and enthesitis
- Contusions, hematomas and bruises
- Bursitis.

GENERAL MEDICINE AND DERMATOLOGY:

- Decubitus ulcers, cheloids, torpid sores treated thanks to its well known biostimulating and anti-infective effects.

ARTHRO-RHEUMATIC PATHOLOGIES:

- Arthrosis
- Sciatica
- Scapular-humeral perarthritis
- Arthropathies of hands and feet
- Epicondylitis
- Hip arthrosis in the early stage
- Gonalgia with or without effusion
- Myogenic stiff neck
- Lumbago – Myositis, etc.

REHABILITATIVE THERAPY:

- Articular motor rehabilitation after removing plaster casts or after orthopaedic surgical operations.

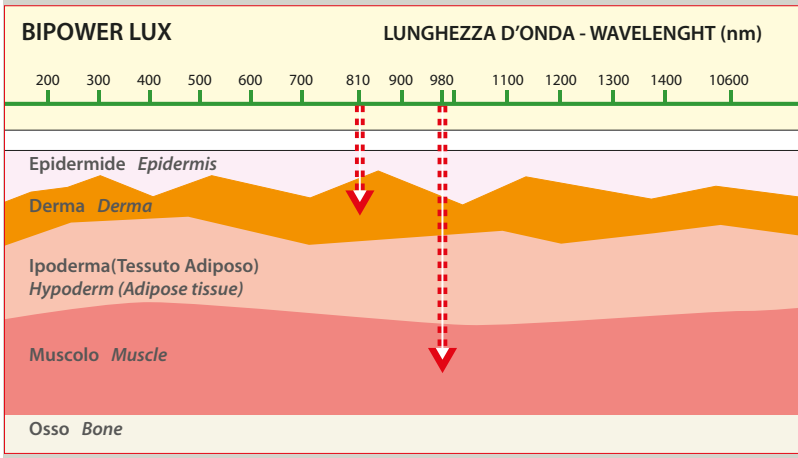
BIPOWER LUX

Available models:
BIPOWER LUX 6W
BIPOWER LUX 12W

BIPOWER LUX 6W
HL1362/6

BIPOWER LUX 12W
HL1362/12

Bipower Lux is recommended for superficial pathologies in general medicine and dermatology and for orthopaedic and sport medicine pathologies (contusions, bursitis, tendinitis, etc.). It has a high biostimulating effect because it covers the whole therapeutic window of high power therapeutic lasers (HPLS -->high power laser system) with a very high output power (up to 12W).



THE EVOLUTION OF LIGHT

The new range of high power lasers uses optical fibre to convey high laser powers (6W - 12W) directly to the skin without dispersions. Bipower Lux treats effectively inflammatory and degenerative pathologies of the orthopaedic neurologic, dermatologic fields and reduces the recovery time. Bipower Lux has become an essential treatment especially for the sport medicine, as it allows a fast recovery time and the healing of many sportsmen, for whom time is a key factor in their career.

HIGH ENERGETIC IMPACT WITH DUAL WAVELENGTH

Bipower Lux combines 2 wavelengths, 810+980 nm, and gets the best of their main therapeutic actions:

810nm wavelength has a high depth of penetration in the tissues and gives an excellent biostimulating effect.

980nm wavelength has a high level of absorption in the fluids and provides a high analgesic effect.

SUPPLIED ACCESSORIES	BIPOWER LUX 6/12W
Probe with optical fibre	1
Laser protective goggles	2
User manual in DVD	1
USB Key	1
Power cable	1
Fuses	2
Interlock	1

Optional accessories → pg. 61 Technical specifications → pg. 73

ELECTROTHERAPY

_SUPPLIED WAVEFORMS

- Galvanic – continuous; interrupted; MF
- Dyadinamic – monophasic; Biphasic; monophasic sync.; Biphasic sync.; CP; LP
- Pulse – rectangular; triangular; traebert
- Faradic – rectangular; triangular; neodynamic
- Tens – burst; random; modulated; al tens
- Biphasic – symmetric; asymmetric
- Interferential – quadripolar; Isoplanar; vector; bipolar; Stimulating; Russian current (kotz)

Micro currents

High Voltage HVPC

H Wave

APS

Creation of rheobase and cronaxie I/T curve

The main fields of application are:
- Pain treatment (chronic pain / post-surgical acute pain)
- Orthopedics (tendinitis, arthritis, epicondylitis, etc.)
- Sport Medicine (sprains, muscle aches, etc.)
- Aesthetics (PEFS, lymphatic drainage, etc.)
- Dermatology (keloids, lymphedema, bedsores, etc.)
- Neurology (neuralgia, phantom limb pain, etc.)
- Uro-gynecology (urinary incontinence)

_ ELEKTRA

Available models
ELEKTRA 2 – EK1302

ELEKTRA 2
EK1302

_ OPERATING MODE AND BENEFITS

The new electrotherapy device EleKtra gives access to currents and programs by different screenshots: you can select from a list of waveforms, treatment protocols or various applications according to every body part.
You can use the same programs in different channels or modify them, use them in parallel, alternate them, apply them simultaneously, synchronise them or apply them in a sequence: you have an electrotherapy with no limits.

The main effects of electro-stimulation are training of the neuromuscular system to respond correctly during voluntary and involuntary strains with active contraction; pain modulation by the gate control mechanism; spasticity reduction by stimulating agonists and antagonists; transdermal release of medicinal substances into the skin (ionophoresis); improvement of joint mobility by mechanical stretching of muscles; improvement of injury healing by increasing local circulation; resolution of oedema thanks to the activity of the muscle pump.

_ ELEKTRA: ELECTROTHERAPY WITH NO LIMITS

- Wide display: 8" colour touch-screen.
- More than 36 waveforms: Low and Medium frequencies High Voltage, Microcurrents, NMES, Stochastic, APS and others.
- More than 100 therapeutic suggestions grouped according to anatomical areas, specialist branches and waveforms.
- I/T curve with value comparison before and after treatment.
- Patient file for storing all patient's data, treatments and short case history.
- Help button. Each therapeutic suggestion shows indications on its use and where to place electrodes.
- Connection between EleKtra and K-Sound for ultrasound-electrotherapy combined treatments.
- Connection between EleKtra and Vacuumed for combined treatments with vacuum therapy .
- USB Key to store many personalised treatments and patient files.
- Upgradable software

SUPPLIED ACCESSORIES	ELEKTRA 2
Power cable	1
User manual in DVD	1
Fuses	2pcs. of 315mA–T
USB Key	1
Electrodes, 60x85 mm	4
Sponges for 60x85 mm electrodes	4
Electrodes, 50x50 mm	4
Sponges for 50x50 mm electrodes	4
Elastic band, 1000 mm	2
Elastic band, 600 mm	2
Electrotherapy output cable	1

Optional accessories → pg. 59 Technical specifications → pg. 67

ULTRASOUND THERAPY

The main application fields are the following:
- Orthopedics
- Dermathology
- Sport medicine
- Aesthetic medicine
- Periatricular pathologies
- Inflammatory pathologies of joints and tendons

K-SOUND

K-SOUND
KS1305

OPERATING MODE AND BENEFITS

The ultrasound therapy has an effect on human tissues and acts as a cellular and intracellular high-frequency massage.

The tissues hit by ultrasound begin to vibrate with consequent expenditure of energy and production of heat, so we have mechanical and diathermal effects. Ultrasound therapy is applied to treat inflammations, post-traumatic, circulatory affections, skin diseases and diseases of peripheral nerves and to repair tissues.

With K-Sound you will be able to use ultrasound universally thanks to 3 frequencies:
1, 2 and 3 MHz, both in continuous and pulsed modes.

These frequencies have different absorption properties and, therefore, the tissue structures can be treated in a selective way both in depth and superficially.

K-SOUND FOR A MULTI-FREQUENCY TREATMENT:

- Wide display: 8" colour touch-screen
- Device for ultrasound therapy with 3 frequencies: 1-2-3 MHz
- Two completely independent outputs that deliver 2 different treatments simultaneously
- More than 100 therapeutic suggestions grouped according to anatomical areas, specialist branches and frequencies.
- Patient file for storing all patient's data, treatments and short case history
- Help button. Each therapeutic suggestion shows indications on its use and where to place the probe on the area under treatment
- Connection between K-Sound and EleKtra for ultrasound-electrotherapy combined treatments
- USB Key to store many personalised treatments and patient files
- Upgradable software

SUPPLIED ACCESSORIES	K-SOUND
Power cable	1
User manual in DVD	1
1/3 MHz probe, 5 cm^2	2
Fuses	2
USB Key	1

Optional accessories → pg. 58 Technical specifications → pg. 66

A CHOICE OF ELEGANCE

In the Prestige line, technology and experience have been blended together to meet the needs of professionals, who do not wish to waste their time. Simplicity of use together with blue-chip technology are the essential characteristics of these devices.
The interface of Prestige line devices is so simple and clear that you will not even need to read the user manual when switching the device on for the first time.

CHARACTERISTICS OF PRESTIGE LINE

THE MICROPROCESSOR

The key-part of the machine is a new and powerful microprocessor whose processing power is 3 times higher than the usual power required by the operating system thereby avoiding any possible working overload. Only 25% of the integrated memory is used so that later the device could be updated by adding new functions which were not in the original version. The updates, to be downloaded in the web site www.medical-italia.com are completely free and will ever more improve the already excellent device quality.

NEW LCD DISPLAY

The new Prestige Line is equipped with a new 6-inch LCD color display with 320x240pixel resolution, that guarantees a clear visualization of the most important information.

_PRESTIGE LINE

30 YEARS

_SHOCK MED COMPACT

_VACUUMED

_HR TEK BASIC

_LASERMED

_VIKARE

_PR999

_THERAPIC

_RADARMED 2500 CP

_ULTRASONIC

_MAGNETOMED

_COMBIMED 2200

_PRESSOMED 2900

TOUCH&SCROLL FEATURE
The new touch screen display, together with the encoder physical button, allows to browse the software's functions in a very fast and easy way.

MULTILANGUAGE SOFTWARE
All machines are equipped with the operating software in 5 languages: Italian, English, French, Spanish and German and the user can change them according to his needs

SMART CARD
The integrated memory-card reader extends to its maximum the device potential by offering the following services:
- The possibility to use the memory-card with new working protocols.
- The possibility of creating specific cards for the customs where to record their treatment.
- The possibility of storing new working protocols.

Main application fields:
- Orthopaedics
- Rehabilitation
- Sport Medicine
- Aesthetic Medicine

SHOCK MED COMPACT

SHOCK MED COMPACT
SW1350

Shock Med Compact is designed to give to the professional a radial shockwave device, ideal for use in ambulatory or home activities and sports.
The compact desktop case holds the built-in compressor having up to 4 bars of power, at the same time quiet and efficient, with a maximum weight of about 6 kg, excellent for portable use.

Indications:
Shockwave therapy is the best treatment for the chronic insertional tendinopathies, characterised by poor vascularisation of the osteotendinous junction, when the physiotherapeutic treatment (infiltrations and laser therapy) has proved ineffective.

These are the main pathologies treated with shockwaves:
- **Elbow – epicondylitis, epitrocleitis**
- **Shoulder – insertional tendinopathies, impingement**
- **Knee – patellar and "goose's foot" tendinopathies**
- **Pubis – adductor tendinopathies (pubalgy)**
- **Ankle – achilles tendinopathy, calcaneal apophysis**

WINNING FEATURES

- **Wide display**: 6" colour touch-screen
- **Procedure function**: A practical and handy application manual of the shockwave therapy, based on four fundamental steps:
  - Localise the painful area by touch;
  - Select the therapy parameters (manually or using preset programs);
  - Apply gel;
  - Start the shockwave therapy.
- **More than 40 therapeutic suggestions** grouped according to anatomical areas, specialist branches
- **Patient file** for storing all patient's data, treatments and short case history
- **Help button**: Each therapeutic suggestion shows indications on its use.
- **One–Touch mode**: by pressing just once the activation button the procedure will start and continue until the end of the therapy, or until the operator will press again the button to pause the execution of the treatment.
- **Soft Rebound System**: rebounding to the therapist's arms was reduced by 95% thanks to the new applicator developed by EME, which has an internal spring system to dampen the rebound effect.
- **Smart Card** to store many personalised treatments and patient files.

SUPPLIED ACCESSORIES	SHOCK MED COMPACT
ShocK Med applicator	1
Power cable	1
9 mm multifocused transmitter	1
9 mm focused transmitter	1
15 mm multifocused transmitter	1
Fuses	2
Gel 260 ml	1
User manual in DVD	1
Smart Card	1

Optional accessories → pg. 62 Technical specifications → pg. 74

ENDODIATHERMY

The main fields of application are:
- Dermatological diseases
- Traumatology
- Sports Medicine
- Aesthetic Medicine
- Musculoskeletal pain
- Inflammatory joint and tendon
- Periarticular disorders (bursitis, calcification, etc..)

HR TEK BASIC

HR TEK BASIC
HT1342

HR TEK, LET THE WARMTH HEAL YOU

- Color graphic display with 320 x 240 pixels
- Output power up to 200W
- Smart Card to store many personalised treatments and patient files
- Meter of the real treatment time by the new contact detection system
- Impedance meter displaying real time values

HR TEK Basic is the new capacitive and resistive endodiathermy desktop device, designed for the most demanding professionals. HR TEK Basic is the answer to those who want a device that can be used for outpatient treatment (compact, lightweight and functional) and for ambulatory use too.

BENEFITS AND OPERATING MODE

CAPACITIVE: The action is concentrated in the area below the movable electrode.
It works actively on soft tissue rich in water content, such as muscles, venous-lymphatic etc., it achieves excellent results in applications such as:
- after fractures treatment
- joints and periarticular diseases
- drainage of post-traumatic oedema

RESISTIVE: it carries out an effective action on tissues with the highest resistance, having low water content. The biological effect occurs in tissues with the highest resistance that are interposed between the movable electrode and the return plate, namely bones, joints, tendons, ligaments, cartilages.
HR TeK Basic, used in resistive mode gives excellent results in:
- general traumatology
- sports traumatology
- arthritis
- arthrosis
- tendinitis
- capsulitis and bursitis
- calcaneal apophysis

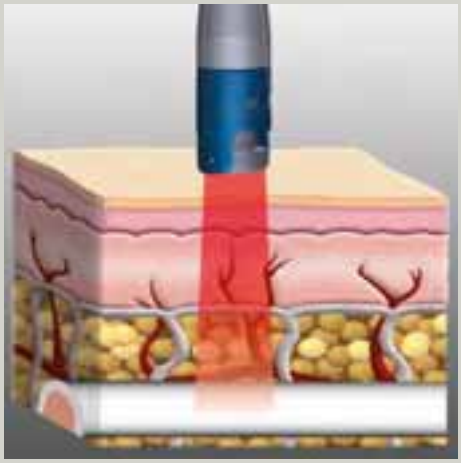
SUPPLIED ACCESSORIES	HR TEK BASIC
Power cable	1
User Manual in DVD	1
Fuses	2
Resistive probe	1
Resistive electrodes kit (Ø 30 mm, 50 mm)	1
Capacitive probe	1
Capacitive electrodes kit (Ø 30 mm, 50 mm)	1
Conductive cream 1000 ml	1
Stainless steel plate	1
Smart Card	1

Optional accessories → pg. 61 Technical specifications → pg. 74

HIGH POWER LASER

_VIKARE THE LASER POWER

The new ViKare range of lasers, is realized using optical fiber to convey high power laser beam (4W-8W) directly on the skin, without losses.
ViKare therefore allows an immediate improvement in the symptoms of inflammatory and degenerative pathologies. Its use in orthopaedic, neurological and dermatological context reduces healing time and makes ViKare essential especially in sports medicine, as it allows fast recovery for athletes, for whom time is a determining factor in their career.



Fields of application
The fields of application that can benefit from ViKare laser therapy are:

- **Sports Traumatology**
- **General medicine and dermatology**
- **Arthro-rheumatic pathology**
- **Rehabilitation therapy**

_VIKARE

Available models
VIKARE 4W
VIKARE 8W

VIKARE 4W
HL1360

VIKARE 8W
HL1361

_VIKARE IS THE WINNING LASER FOR THE MOST DEMANDING PROFESSIONALS IT IS POWERFUL

Due to the high power output of the two models, it makes possible the stimulation of the deep layers of the treated tissue and thus favors a rapid and widespread cell regeneration. ViKare allows a deep tissue stimulation and this allows to treat the internal structures (such as the articulation of the femur) and chronic conditions such as osteoarthritis.

_SAFE AND EASY TO USE

ViKare is controlled by a software that can be used by all operators, with intuitive controls for quick and easy implementation. It is designed to ensure the highest safety standards. Maximun attention is paid to the safety of the patient and the operator.

_POLYHEDRIC

Thanks to its characteristics, ViKare can be used in various branches such as sports medicine, orthopaedics, neurology, dermatology, rheumatology, dentistry (conservative periodontics, implantology, oral pathology, surgery, scaling) and acupuncture.

_EFFECTIVE

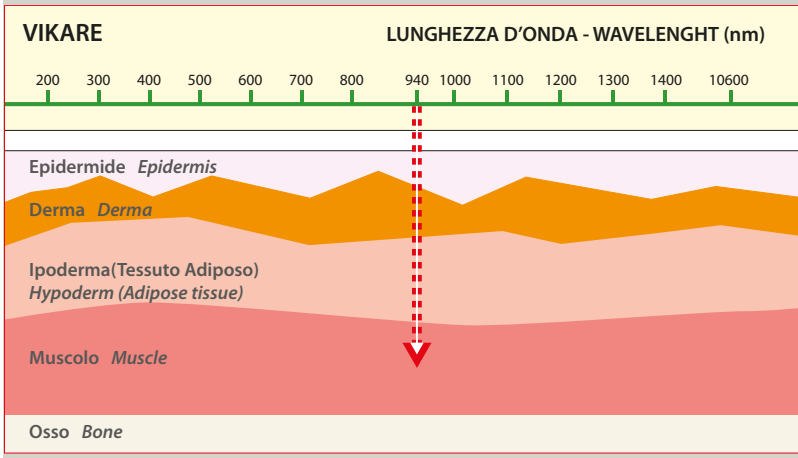
Definitive in acute inflammation, chronic and degenerative diseases such as arthritis of the knee.

_MULTISPOT

ViKare automatically calculates the energy dose (fluence in joules) delivered according to different methods of application, contact or through the 3 spacers available.

_WHY TO CHOOSE VIKARE

ViKare is designed as power laser that operates with a single wavelength: 940 nm. Making the most of the peak power from the two available models, you can provide up to 8W of power, performing a strong regeneration action in chronic diseases, speeding up the process of resolution of inflammation and oedema in the acute illness, as well as the rapid resolution of pain syndromes in joints, muscles, and soft tissues.



ACCESSORIES SUPPLIED	VIKARE 4/8W
Laser protection goggles	2
Multispot laser probe	1
User Manual in DVD	1
Power cable	1
Fuses	2
Smart Card	1

Optional accessories → pg. 61 Technical specifications → pg. 73

ELECTROTHERAPY

Our electrotherapy devices belonging to the Prestige line are divided into 3 main groups, whose differences lie in the wave forms used.

THERAPIC 9200 TH1312
Two independent channels electrotherapy, able to supply all the low-frequencies and medium-frequencies waveforms and the creation of I/T curve, rheobase, chronaxie.

THERAPIC 9400 TH1313
Four independent channels electrotherapy, able to supply all the low-frequencies and medium-frequencies waveforms and the creation of I/T curve, rheobase, chronaxie.

_MAIN EFFECTS OF THE ELECTROSTIMULATION

- Training of the neuromuscular system to react appropriately during the voluntary and involuntary effort by providing an active contraction (isometric, concentric and eccentric) and the following articulation movements which allow a proprioceptive feedback
- Pain modulation through the gate-control system or the descending inhibition mechanisms (production of endogenous opioids)
- Spasticity control and reduction through the stimulation with agonists (contraction-relaxation), antagonists (mutual inhibition) or sensorimotor inhibition
- Allowing the transcutaneous release of medical substances into the skin (iontophoresis)
- Improving or maintaining the joints mobility through the mechanical stretching of muscles, connective tissue or reducing the movement problems caused by neuromuscular diseases (i.e. spasticity), pain or edema
- Helping the recovery by increasing the local blood circulation, providing a bactericidal effect or altering the electric charge into the damaged area
- Delaying or eliminating the edema through the action of the muscular pump or through the effect of electric charges on the interstitial proteins (electric fields phenomenon)

_ THERAPIC

THERAPIC 7200
TH1311

Two independent channels electrotherapy, able to supply all the low-frequencies waveforms and the creation of I/T curve, rheobase, chronaxie.

_ ELECTROTHERAPY TO THE NTH POWER

Electrotherapy benefits from the biological effects obtained from the electric power for a therapeutic use. Current is directed into the involved body part having selected it with suitable features to reach the specific objectives.
Electrotherapy is used to stimulate the denervated muscle, to reduce the hypotrophy caused by not using the normally innervated muscle, to maintain the muscular trophism in the denervated or partially innervated muscle and to strengthen the innervated muscle.
The main effects of applying the current to a body tissue are the excitomotor, thermic, trophic, analgesic and chemical effects.

Each electric pulse of muscular stimulation is characterized by:

WAVE FREQUENCY: measured in Hz (hertz)

WAVELENGTH: measured in msec (milliseconds)

INTENSITY: measured in mA (milliamper)

Available models
THERAPIC 7200 – THERAPIC 9200
THERAPIC 9400

_ THERAPIC 7200: DISTINCTIVE ELEMENTS

- New Medical Italia design
- 21 wave forms (low frequencies)
- 2 completely independent channels, with 2 mm banana cables
- Possible connection to ULTRASONIC family for combined usage
- Color display with Touch&scrool function
- I/T Curve, comparing values at the beginning and a the end of the therapy
- Possible connection to the Vacuum model Vacuumed (VU1392) for combined usage
- Electrodes test
- Creation of various treatment sequences having different waveforms
- Smart Card

_ THERAPIC 9200-9400: DISTINCTIVE ELEMENTS

- New Medical Italia design
- 26 wave forms (low and medium frequencies)
- 4 completely independent channels, with 2 mm banana cables
- Possible connection to ULTRASONIC family for combined usage
- Color display with Touch&scrool function
- I/T Curve, comparing values at the beginning and a the end of the therapy
- Possible connection to the Vacuum model Vacuumed (VU1392) for combined usage
- Electrodes test
- Creation of various treatment sequences having different waveforms
- Smart Card

SUPPLIED ACCESSORIES	THERAPIC 7200	THERAPIC 9200	THERAPIC 9400
Power cable	1	1	1
User Manual in DVD	1	1	1
Fuses	2 of 315mA-T	2 of 315mA-T	2 of 315mA-T
Electrodes 60x85 mm	4	4	8
Sponges for Electrodes 60x85 mm	4	4	8
Electrodes 50x50 mm	4	4	8
Sponges for Electrodes 50x50 mm	4	4	8
Elastic band 1000 mm	2	2	4
Elastic band 600 mm	2	2	4
Electrotherapy Output cable	1	1	2
Smart Card	1	1	1

Optional accessories → pg. 59 Technical specifications → pg. 67

ULTRASOUND THERAPY

ULTRASONIC 1300 **US1321**
single channel desktop/portable ultrasound device, equipped with 1/3 MHz probe

ULTRASONIC 1500 **US1322**
two independent channels desktop/portable ultrasound device, equipped with two 1/3 MHz probes

_ ULTRASONIC 1300- 1500

- New Medical Italia design
- Waterproof multifrequencies probes 1/3 MHz, suitable for submerged treatments
- Possible connection to THERAPIC 7200/9200/9400 for combined usage
- Color display with Touch&scrool function
- Self-calibrating probes with working frequencies internal storage system
- **Ultrasonic 1500**: two completely independent channels ultrasound device, able to perform two autonomous treatment at the same time.
- Smart Card

_ ULTRASONIC

ULTRASONIC 2500
US1323
two independent channels ultrasound device on trolley, equipped with two 1/3 MHz probe and with one orthostatic arm.

_ ULTRASONIC

The ultrasounds are high-frequency acoustic vibrations not perceived by human ears. The application of ultrasounds for therapeutical use on human tissues involves a high-frequency cellular and intercellular massage. Moreover ultrasounds can also be used in immersion, the head is immersed in the water together with the body region to be treated. The tissues irradiated with ultrasounds start vibrating with a following energy waste and heat production. All this shows the ultrasounds' biological effects, namely the mechanical and the diathermic effect.

• **Mechanical effect:** expands through the rhythmic tissue compression and decompression. The tissue particles receiving the vibrating flux are all stressed one after the other at the same speed and acceleration rate.

Available models
ULTRASONIC 1300 – ULTRASONIC 1500
ULTRASONIC 2500

• **Diathermic mechanism:** probably with biological effects is becoming possible with watt/cm2 energy flux. While the sound spreads through the tissues it is absorbed and converted into heat. The temperature distribution caused by the ultrasound in the tissues is unique within all forms of deep heating: the temperature increases relatively little in the tissue surface and it is more likely to penetrate into the muscles and the soft tissues compared to the diathermic effect produced with short waves or microwaves.

• **Chemical effect:** it is strictly connected to a typical phenomenon caused by ultrasounds, the so called "cavitation", which takes place in the fluid components of the tissues where the small gas bubbles tend to increase their dimension and starts the oxidation, polymerization and the destruction of macromolecules.

_ ULTRASONIC 2500: DISTINCTIVE ELEMENTS

- New Medical Italia trolley design
- Waterproof multifrequencies probes 1/3 MHz, suitable for submerged treatments
- Possible connection to THERAPIC 7200/9200/9400 for combined usage
- Color display with Touch&scroll function
- Self-calibrating probes with working frequencies internal storage system
- **Ultrasonic 2500** has two completely independent channels ultrasound device, able to perform two autonomous treatment at the same time
- Equipped with one orthostatic arm
- Smart Card

SUPPLIED ACCESSORIES	ULTRASONIC 1300	ULTRASONIC 1500	ULTRASONIC 2500
Power cable	1	1	1
User Manual in DVD	1	1	1
Fuses	2 of 630mA-T	2 of 630mA-T	2 of 630mA-T
Probe 1/3 MHz, 5 cm^2	1	2	1
Orthostatic arm			1
Smart Card	1	1	1

Optional accessories → pg. 58 Technical specifications → pg. 66

_ COMBIMED 2200

_PRESTIGE LINE

ELECTRO - ULTRASOUND THERAPY

COMBIMED 2200
CO1325

Combined device for electrotherapy, with 2 channels electrotherapy and 1 channel 1/3 Mhz ultrasound.

_ULTRASOUND THERAPY

Ultrasounds are used primarily to reduce the pain, and the main treatments are sciatica, neuritis, periarthritis. The thermal effect produced by ultrasound increases the temperature in deep tissues, and together with the mechanical effect the treatment results in a micro massage at the level of cellular structures. Combimed 2200 is equipped with multifrequence probes (1/3 MHz) that can be set by the operator in order to establish the depth of penetration required by the treatment (with the frequency of 1 MHz can be up to 3 cm in depth, while with 3 MHz you can get up to 1 cm).

_ELECTROTHERAPY

The Electrotherapy is used in order to stimulate denervated muscle, to reduce the hypotrophy due to non-use of the normal muscle, maintain the muscular trophism in denervated or partially innervated muscle, to strengthen the innervated muscle. The main effects of an electric current applied to a body tissue are represented by the thermal, trophic, analgesic and chemical effects. COMBIMED has 26 low and medium frequency waveforms, which can be used on a channel, or on two channels in a synchronous or independent way.

_COMBINED TREATMENT

The pre-set protocols of COMBIMED 2200 allow to realize a fast and easy combined treatment, which sums the analgesic and hyperemic effect of electrical stimulus with the mechanical and thermal ultrasound effect.

_COMBIMED 2200 ELECTROTHERAPY AND ULTRASOUNDS FOR A WINNER COMBINATION

- New winning design
- Color display with Touch&scroll function
- Possible connection to VACUUMED (VU1392) for combined usage
- 26 waveforms (low and medium frequency)
- Self-calibrating probes with working frequencies internal storage system
- Waterproof multifrequencies probes 1/3 MHz, suitable for submerged treatments
- I/T Curve, comparing values at the beginning and a the end of the therapy
- Multilanguage software
- More than 100 therapeutic suggestions (electrotherapy / ultrasound / combined protocols)
- Smart Card

SUPPLIED ACCESSORIES	COMBIMED 2200
Power cable	1
User Manual in DVD	1
Fuses	2 x 630 mA-T
Electrodes 60x85 mm	4
Electrodes 50x50 mm	4
Sponges for Electrodes 50x50/60x85	4 + 4
Elastic band 600 mm/1000 mm	2 + 2
Probe 1/3 MHz, 5 cm^2	1
Electrotherapy Output cable	1
Smart Card	1

Optional accessories → pg. 58 Technical specifications → pg. 68

_ VACUUMED

_PRESTIGE LINE

VACUUM THERAPY

VACUUMED
VU1392

_ VACUUMTERAPIA

The Vacuum therapy is a therapeutical method which uses the effect of the vacuum in the body by combining the improvement of the tissue microcirculation with an anti-inflammatory and detoxing action.

Concretely the vacuum therapy consists in applying an inner tube to a body part, in which a depression is created and afterwards a compression to stimulate the venous and lymphatic circulation: this causes a suction effect which increases the blood afflux in the involved area, stimulating the circulation and the oxygenation, and accelerating the turnover of substances and the elimination of toxins.In the peripheral tissues the oxygen levels increase substantially and the carbon dioxide decreases: by improving the blood flow the exchange activity in the capillaries is favored and by accelerating the blood flow the venous stasis which is the main cause of various veins and venous insufficiency.

The vacuum application combined with the stimulation currents will be carried out using vacuum electrodes. Such electrodes are connected through pipes to a suction pump which causes a negative pressure inside the electrodes. During this action, the high depression requires a great quantity of blood (hyperemia) thereby improving the therapy effect through the different stimulation currents.

INDICATIONS

Such therapy is clearly useful for treating all forms of vascular diseases affecting the legs: arteriosclerosis of lower limbs, Burger, Raynaud and all forms of venous and/or lymphatic insufficiency, such as swollen legs, lymphedema, phlebolymphedema, and cellulitis.

_ DISTINCTIVE ELEMENTS

__ **Suction**: using the encoder you can increase or decrease the level of suction
__ **Frequency**: it is possible to increase or decrease the period of time between a suction and the following
__ **Combined use:** simply connect Channel 1 of THERAPIC (or COMBIMED) to VACUUMED via its dedicated LINK cable to perform combined treatments
__ **Vacuum output**: the four Vacuumed outputs can work together and simultaneously; otherwise you can use just two of them, by means of the specific cable to cover the other two outputs (see the picture)
__ **Low noise level**: Vacuumed is equipped with a low noise emission compressor, in order to perform a relaxing therapy
__ **Smart case**: the rectangular shape of VACUUMED allows to allocate another Medical Italia equipment (ELECTROTHERAPY / COMBIMED) above the same, further reducing the overall dimensions

SUPPLIED ACCESSORIES	VACUUMED
Power cable	1
User Manual in DVD	1
Fuses	2 of 315mA-T
Vacuum cups Ø 60 mm	4
Cup sponges Ø 60 mm	8
Output cables	4
Electrotherapy LINK connection cable	1

Optional accessories → pg. 64 Technical specifications → pg. 70

LASERMED 2200
LT1372

Two channels desktop/portable laser therapy device (905 nm), equipped with one 25mW mono-diodic laser probe (MLA1/25)

_LASERMED LOW POWER LASER THERAPY

Lasertherapy can be divided into contact and scanning therapy and both modes can employ monodiodic and multi-diodic lasers.
As far as laser therapy carried out with monodiodic contact lasers, probes with direct contact on the skin are employed.
The treatment is based on the stimulation of the trigger points or of the areas affected by pain and the therapy requires the presence of one operator.
The most important working parameters within laser therapy are: power density (power released per density of the irradiated tissue, which is measured in W/ sq cm and is calculated dividing the output power for the irradiated spot dimension).
Fluency is the most important parameter for determining the clinical effect of the laser, since it measures the quantity of energy released per unit of irradiated tissue area. It is measured in J/sq cm and it is calculated multiplying the power density for the exposition length.
Each protocol supplied by Medical Italia indicates the fluency suggested for each kind of treatment.
The operator, according to the area to treat and to the laser power, will modify the treatment time or the frequency, in order to convey the necessary fluency for the treatment.

INDICATIONS ON THE USE OF LASER

- **Rheumatology**
- **Orthopedics**
- **Dermatology**
- **Dentistry**
- **Otolaryngology**
- **Neurology**
- **Acupuncture**

LASERMED

Available models
LASERMED 2100
LASERMED 2200

LASERMED 2100
LT1371

Single channel desktop/portable laser therapy device (905 nm), equipped with one 25mW mono-diodic laser probe (MLA1/25)

LASER THERAPY ADVANTAGES

- Laser therapy is based on photochemical and photobiological effects on the cells and on the tissues.
- The laser beam stimulates the mitochondria of the cell, restores its energy and "protects" it in case of traumatic or degenerative situations restoring the normality of the cell itself.
- Laser therapy is painless, has no risks and is not invasive.
- The suggested time for a treatment is inferior to the one of other therapies.

EFFECTS OF LASER

- Anti-inflammatory effect.
- Effects on the peripheral nervous system (antalgic and regenerative effect).
- Biostimulating and tissue regenerating effect.
- Effect on the micro-circulation and on the blood veins: the laser entails an enhancement of the local microcirculation that includes the relief of local spasms of arteries and veins (that take place for example after a trauma or an inflammation), determines an intensification of the blood flow within the nutritional capillaries.
- Immunoregular effect.
- Enzymatic photoactivation effect
- Placebo effect

WHY TO CHOOSE LASERMED

- New Medical Italia design
- Color display with Touch&scroll
- Automatic calculation of the fluence (joules) as a function of time and of the treatment's area
- Multilanguage software
- More than 80 therapeutic suggestions
- Probe with automatic contact sensor (laser emission starts when the probe gets near the target)
- Wide range of probes available (mono/multi-diodic probes up to 800 mW)
- Smart Card

SUPPLIED ACCESSORIES	LASERMED 2100	LASERMED 2200
Power cable	1	1
User Manual in DVD	1	1
Fuses	2 of 315 A-T	2 of 6,3 A-T
Laser probe MLA1 (25 mW)	1	1
Laser protection goggles	2	2
Interlock (safety key)	1	1
Smart Card	1	1

Optional accessories → pg. 63 Technical specifications → pg. 70

PR999 4W (2W+2W)
SL1366

Two wavelength scanning laser device with two simultaneous laser sources:
- continuous laser emission 808 nm
- pulsed laser emission 905 nm

The combination of the two laser sources allows a high anti-inflammatory effect (808 nm) together with an analgesic effect (905 nm), allowing better results especially in acute phase diseases and with the presence of inflammation (lumbago, sprains, neck pain, etc...)

PR999 8W
SL1367

High power scanning laser device.
A new laser that represents the state of the art in his family for its high performances. PR999 8W uses a wavelength of 940 nm, by means of a single 8 W diode.

_PR999

PR999 500 mw
SL1365

Scanning laser device delivering a total power of 500 mW in continuous and pulsed mode, operating wavelength 808 nm.

.

_SCANNING LASER PR999

The application of the Scanning Laser therapy allows to treat wider areas compared to the contact laser application and the operation is automatically carried out by the device itself, without the presence of the operator.

Available models
PR999 500 mw – PR999 4W
PR999 8W

_PR999: CHOICE OF PROFESSIONAL QUALITY

- **Step motor:** the new system for moving the laser beam by means of step motor generates micro oscillations allowing to increase up to a maximum of 5% of the set treatment area.
- The use of laser scanning is automatic, since it does not require the presence of the operator.
- The use of PR999 allows to treat larger areas with respect to a contact laser.
- Automatic surface treatment setting.
- Adjustable scanning area up to 400 cm2
- Possible connection of an external mono/multi-diodic laser probe.

SUPPLIED ACCESSORIES	PR999 500mw	PR999 4W	PR999 8W
Power cable	1	1	1
User Manual in DVD	1	1	1
Fuses	2 da 630mA-T	2 da 1.6 A-T	2 da 1.6 A-T
Laser protection goggles	2	2	2
Interlock (safety key)	1	1	1
Emergency stop switch		1	1
Smart Card	1	1	1

Optional accessories → pg. 63

RADAR THERAPY

ACC191-AC Circular antenna

ACC234-AR Rectangular antenna

ACC234-A3D Three dimensional Antenna

The reduction in pain is caused presumably by two main components:

•Indirect antalgic action, secondary to the action on algogenic components (muscular spasms and hypoxia);

•Direct antalgic action: the most commonly accepted explanation for this action is based on the presumed "counter irritating" effect of heat according to the gate control theory of Melzack and Wall.

However, on the hypothesis of the counter irritating effect two partially contradictory factors must be considered: the effect of the thermal increase on nervous conduction and the role of thermoreceptors.

On the first aspect, the increase in temperature determines a proportional increase, obviously within certain limits, in the nerve trunk conduction velocity.

RADARMED 2500 CP

RADARMED
2500 CP
RT1341

RADARMED 2500 CP: THE MICROWAVE DIATHERMY

- New Medical Italia design
- Easy to use: friendly user interface
- New orthostatic arm realized with aluminum alloy and preloaded joints without manual adjustment
- 100 therapeutic suggestions
- Possible connection of the three-dimensional antenna (A3D model) for applications on the shoulder, neck, spine. The rectangular antenna (AR model) can be connected too, for applications on large areas such as upper and lower limbs, cervical area, spine.
- New system for fast antenna connection
- Multilanguage software
- Pulsed and continuous emission mode
- Smart Card

Microwave therapy belongs to the family of thermotherapies. By means of electro-magnetic waves, heat is conveyed deep within tissues.

Therapeutic effects of radartherapy are: muscular heating, analgesic and throphic effect. Microwave therapy is indicated in case of muscular contractures, osteoarthritis, posttraumatic pain, tendinitis, etc.

THERAPEUTIC ACTIONS

- Pain reduction
- Improvement of collagen extendibility
- Reduction in joint rigidity
- Oedema and inflammatory exudates reduction
- Increase in the haematic flux

SUPPLIED ACCESSORIES	RADARMED 2500 CP
Power cable	1
User Manual in DVD	1
Fuses	2 da 6,3 A–T
Orthostatic pantograph arm	1
High frequency output cable	1
Circular antenna AC (ACC191)	1
Smart Card	1

Optional accessories → pg. 59 Technical specifications → pg. 72

ACC551 – LC60 High-tech bed with 1 mouwable solenoid

ACC615 – CP10 Applicators

MAGNETOMED 7200 MA1331
(only generator)

_MAIN INDICATIONS

• **Recent fractures and consolidation delays**
Magnetic fields accelerate the consolidation time in a very high number of cases by stimulating the osteogenic activity at the fracture rime level.
The recovery process of bone discontinuity takes place through the induction of the piezoelectric effect in the connective structures improving the local circulatory conditions.

• **Pseudoarthrosis**
Magnetic fields have been shown to be effective in treating pseudoarthrosis.

• **Sudeck's disease and osteoporosis**
Magnetic therapy was effective in 80% of cases with the Sudeck's disease and in 70% of osteoporosis.

• **Inflammatory and degenerative arthropathy**
Both inflammatory and degenerative arthropathies are treated by magnetic therapy. Positive results have been obtained for rheumatoid arthritis in hands and knees, spondylitis ankylopoetica, gonarthrosis and lumbar arthrosis.

• **Arteriopathy obliterans**
Magnetic fields are effective for vascular diseases through their influence on the blood flux and micro-circle.

• **Bed sores**
With its bio-stimulating effect the magnetic therapy can be used against such disease. Several treatments are needed for the cure to be effective.

• **Psoriasis**
Psoriasis responds well to this therapy in 60% of the cases.

_ MAGNETOMED

Available models
MAGNETOMED 7200 – MAGNETOMED 8200
MAGNETOMED 8400

MAGNETOMED 8200
MA1333
(only generator)

MAGNETOMED 8400
MA1334
(only generator)

The magnetic therapy devices generate a magnetic field with low-frequency (which can be regulated from 1 to 100 Hz) and intensity up to 100 Gauss for each output, which has a positive impact for the tissue and bone tissues regeneration.

MAGNETOMED 7200
desktop/portable device with two independent channels working as follows:
Channel 1 and channel 2 working independently
Channel 1 and channel 2 working in parallel, for total body usage on two solenoids

.

MAGNETOMED 8200
Trolley mounted device with two independent channels working as follows:
Channel 1 and channel 2 working independently
Channel 1 and channel 2 working in parallel, for total body usage on two solenoids

MAGNETOMED 8400 Trolley mounted device with four independent channels working as follows:
Channel 1 – 2 – 3 – 4 working independently
Channel 1 – 2 – 3 – 4 working in parallel, for total body usage on four solenoids
Channel 1 and channel 2 working in parallel, for total body usage on two solenoids; **channel 3 and channel 4** working independently

_ MAGNETOMED: EXCLUSIVE TREATMENT

- New Medical Italia design
- Exclusive MFC Solenoid Patent (magnetic induction emitted outside the solenoid is drastically reduced, concentrating the magnetic force lines within the solenoid itself, thus affecting only the patient and not the operator).
- Easy to use: friendly user interface
- Color display with Touch&scroll
- Up to 100 therapeutic suggestions
- Adjustable power up to 100 Gauss per each channel
- Multilanguage software
- Smart Card

ACC551/1 LC60/2 High-tech bed with 2 solenoids for total body treatment

SUPPLIED ACESSORIES	MAGNETOMED 7200 / 8200 /8400
Power cable	1
User Manual in DVD	1
Fuses	2 da 315mA-T
Magnetic testing ring	1
Smart Card	1

Optional accessories → pg. 60 Technical specifications → pg. 71

ACC536 – GC9 kit-point for the treatment of inferior limbs.

ACC535 – BC5/2 Kit-point for upper limbs

Fields of application:
- **Dermatologic diseases**
- **Traumatology**
- **Sport Medicine**
- **Aesthetic Medicine**

_ PRESSOMED 2900

PRESSOMED 2900
PR1380

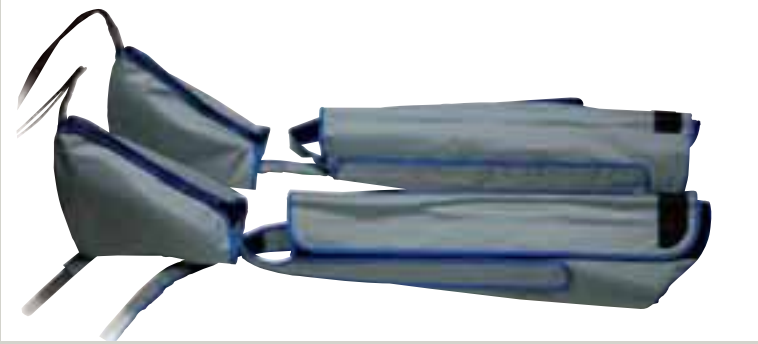
Pressure therapy is a therapeutic massage which helps fighting edemas and improves blood circulation thanks to the application of a pressure.
This pressure is applied in a sequential order to treat the inferior limbs suffering from edema, water retention and circulatory problems.
Pressure therapy acts on blood and lymphatic circulation helping it be more efficient and improving aesthetic blemishes such as cellulite, water retention, etc.

_ THERAPEUTIC ACTIONS

- Circulatory insufficiency
- lymphatic stasis
- Hydro-lipodystrophy (cellulite)
- Lymphedema
- Reactive cutaneous fibrosis
- Hard edema
- Post operative troubles
- Hypotonia

_ PRESSOMED: JUST THE BEST FOR OUR PRO

- 9 completely independent sectors
- Maximum pressure 150 mm Hg for each sector
- High quality kit points with herringbone pattern sectors
- Independent pressure adjustment for each sector
- Latex blister, independently replaceable
- Kit point damage control
- Graphical display representation of the massage
- More than 20 available protocols



ACC334 – GC9/S kit-point for the treatment of inferior limbs with separate foot sector.

SUPPLIED ACCESSORIES	PRESSOMED 2900
Power cable	1
User Manual in DVD	1
Fuses	2 da 1.6 A–T
Smart Card	1

Optional accessories → pg. 62 Technical specifications → pg. 69

FAST AND EASY SOLUTION

Business Line is designed for those looking for quality and performance, with essential and intuitive features.
The best choice for those who are at the beginning of a professional career and looking for quality and convenience.

CARACTERISTICS OF BUSINESS LINE

SIMPLICITY OF USE

Fundamental element in the daily use of electromedical equipment is their simplicity of use. This was the key feature that has allowed to plan this line, and that has enabled us to simplify the operation procedure and the functioning of each equipment.

NEW LCD DISPLAY

The Business Line is supplied with a new graphic display 240x128 pixel, that guarantees a clear visualization of the most important information.

MULTILANGUAGE SOFTWARE

All the equipment belonging to the Business line are supplied with an operating software in 5 languages: Italian, English, French, German and Spanish that can be selected according to the operator's language.

_BUSINESS LINE

30 YEARS

_THERAPIC 2000

_US 50

_COMBIMED 200

_POLYTER

_LIS 1050

_RT250 DIGITAL

_MAGNETOMED 2000

THERAPEUTIC SUGGESTIONS
The new software has inside about 50 certified working protocols.

INTERNAL MEMORY
All the equipments are also provided with an internal memory with the possibility of customizing up to 50 protocols.

ENCODER
Encoder was added to facilitate the selection of the various parameters inside the equipment.

_ THERAPIC 2000

_BUSINESS LINE

ELECTROTHERAPY

THERAPIC 2000
TH1310

Electrotherapic device with 2 independent channels lending currents at low and medium frequency.

_MAIN EFFECTS:

Biological effects obtained by electrical energy are used for therapeutic purposes with success. The electric currents pass through the body's area, through the various waveforms that are selected according to the treatment's purpose.

_ANALGESIC EFFECT:

The treatments with analgesic effects are among the most used in physiotherapy, and the currents that reach this result are as follows:
Tens - Diadynamic - Interference - Iontophoresis: Continuos current used to introduce drugs into the body.

_STIMULATING EFFECT:

Electrotherapy stimulation means to provide a muscle induced contraction by applying electrodes on the muscle. The goal is to reduce the wasting due to the non-use of norm-innervated muscle (muscle that contracts voluntarily), and enhance the denervated muscle (muscle that does not contract voluntarily).
The different waveforms to be used must be selected according to the therapeutic program and to the characteristics of the muscle to be contracted.

_WHY THERAPIC 2000

- New Design Medical Italia
- 23 waveforms available in the software
- Two completely independent outputs with banana cables 2 mm
- Possible connection to ultrasound model US50 (US1320) for combined applications
- Graphic display with a very good resolution
- Easy to use: very easy and clear interface
- Possible connection to the Vacuum model Vacuumed (VU1392) for combined applications
- Electrodes test
- Multilingual software
- 50 Therapeutic suggestions

SUPPLIED ACCESSORIES	US 50
Power cable	1
User Manual in DVD	1
Fuses	2 da 315mA-T
Electrodes 60x85 mm	4
Sponges for Electrodes 60x85 mm	4
Electrodes 50x50 mm	4
Sponges for Electrodes 50x50 mm	4
Elastic band 1000 mm	2
Elastic band 600 mm	2
Electrotherapy Output cable	1

Optional accessories → pg. 59 Technical specifications → pg. 67

US 50

BUSINESS LINE

ULTRASOUND THERAPY

US 50
US1320

US50 is a desktop equipment for ultrasound therapy, with 1 output, supplied with a 1/3 Mhz multifrequency probe.

WHY US 50

- New Design Medical Italia
- 1/3 Mhz Multifrequency probe
- Possible connection the device to electrotherapy model THERAPIC 2000 (TH1310) for combined applications
- Graphic display with a very good resolution
- Easy to use: very clear and easy interface
- Waterproof probes for underwater treatments
- Multilingual software
- 50 therapeutic suggestions

MAIN EFFECTS OF ULTRASOUND

The ultrasound therapy has an impact on the human tissues through a high-frequency cellular and intercellular level massage.
The tissues irradiated by ultrasounds start vibrating with a resulting waste of energy and generation of heat.
The effects are then summarized as follows:

MECHANICAL EFFECT
Expands through the rhytmic tissue compression and decompression.

THE DIATHERMIC MECHANISM
While the sound spreads through the tissues it is absorbed and converted into heat.

CHEMICAL EFFECT
It is strictly connected to a typical phenomenon caused by ultrasounds, the so called "cavitation", which takes place in the fluid components of the tissues where the small gas bubbles tend to increase their dimension and starts the oxidation, polymerization and the destruction of macromolecules.

NEURAL EFFECT
It is linked to ultrasound's influence on the neurovegetative system.

SUPPLIED ACCESSORIES	US 50
Power cable	1
User Manual in DVD	1
Fuses	2 da 630 mA-T
Probe 1/3 Mhz 5 cm^2	1

Optional accessories → pg. 58 Technical specifications → pg. 66

COMBIMED 200

BUSINESS LINE

ELECTRO - ULTRASOUND THERAPY

COMBIMED 200
CO1324

Combined or independent device for electrotherapy and ultrasound at 1/3 Mhz.

Combimed 200 allows to carry out treatments of ultrasound and electrotherapy simultaneously in independent mode, or to use the two treatments in combined mode, thus coupling the analgesic action of electrotherapy to the thermal and mechanical effect of ultrasound, making the result of the treatment even more effective, especially in chronic diseases.

WHY COMBIMED 200

- New Design Medical Italia
- Two totally independent outputs for electrotherapy
- Possible connection to the vacuum therapy model
- Vacuumed (VU1392) for combined applications
- Electrodes test
- Waveforms (low and medium frequency)
- Minimum size for two essential technologies in physiotherapy. Easy to transport
- Graphic display with a very good resolution
- Easy to use: interface very easy and clear
- Ultrasonic waterproof probe for underwater treatments
- 50 therapeutic suggestions

SUPPLIED ACCESSORIES	COMBIMED 200
Power cable	1
User Manual in DVD	1
Fuses	2 x 630 mA-T
Electrodes 60x85 mm	4
Electrodes 50x50 mm	4
Sponges for Electrodes 60x85 mm	4
Sponges for Electrodes 50x50 mm	4
Elastic band 1000 mm	2
Elastic band 600 mm	2
Probe 1/3 Mhz , 5 cm^2	1
Electrotherapy Output cable	1

Optional accessories → pg. 58 Technical specifications → pg. 68

POLYTER 6/10

BUSINESS LINE

POLYTER 6
PT1390

POLYTER 10
PT1391

In the basic configuration of the Polyter 6 the device is equipped with accessories for electro and magnetic therapy.

POLYTER 6/10 MULTIFUNCTIONAL DEVICES

The Polyter in its two versions (6 and 10), was born as a portable electrotherapy, ultrasound, laser and magnetic therapy, very suitable for sports centers and home-based therapies.

POLYTER 6
In the basic configuration of the Polyter 6 the device is equipped with accessories for electro and magnetic-therapy :

ELECTROTHERAPY
- 1 electrotherapy channel
- 11 waveforms
- Frequency Hz 10-25-50

MAGNETIC THERAPY
- 1 output for magnetic therapy
- Maximum power 100 Gauss

ULTRASOUND (On request)
- 1 output
- 1MHz continuous mode

LASER (On request)
- 1 output
- 905 nm

MULTIPLE THERAPIES

POLYTER 10
In the basic configuration of the Polyter 6 the device is equipped with accessories for electro and magnetic-therapy :

ELECTROTHERAPY
- 2 electrotherapy channel
- 14 waveforms
- Frequency Hz 10-25-50

MAGNETIC THERAPY
- 1 output for magnetic therapy
- Maximum power 100 Gauss

ULTRASOUND (On request)
- 1 output
- 1MHz continuous mode

LASER (On request)
- 1 output
- 905 nm

SUPPLIED ACCESSORIES	POLYTER 6	POLYTER 10
Power cable	1	1
User Manual	1	1
Fuses	2 x 630 mA-T	2 x 630 mA-T
Electrodes 60x85 mm	2	4
Electrodes 50x50 mm	2	4
Sponges for Electrodes 60x85 mm	2	4
Sponges for Electrodes 50x50 mm	2	4
Elastic band 1000 mm	1	2
Elastic band 600 mm	1	2
Couple of circular applicators for magnetic therapy	1	1
Electrotherapy Output cable	1	2

On request, you can add accessories for laser therapy and ultrasound to have the complete device:
ACC528/1 1 Mhz ultrasound probe 5 cm2
ACC559 25 mW laser probe

Optional accessories → pg. 64 Technical specifications → pg. 69

LIS 1050

BUSINESS LINE

LASERTHERAPY

LIS 1050
LT1370

Laser therapy device with 1 output. Wavelength 905 nm.

LASER THERAPY

Laser therapy uses the effects of energy generated from laser sources (Light Amplification by Stimulated Emission of Radiation).
The laser beam enters into the tissues and causes a biochemical response on the cell membrane and inside the mitochondria.

MAIN EFFECTS OF LASER:

- **Anti-inflammatory effect** due to increased blood flow as result of vasodilatation.
- **Anti-edema action** (many inflammation are accompanied by edemas) is due to the change of the hydrostatic intercapillary pressure,
- **Analgesic Action** due to the increase of the threshold of perception of the nerve endings and the release of endorphins
- **Effects on the peripheral nervous system** (analgesic and regenerative).
- **Effect of bio-stimulant** and tissue regeneration.
- **Effect on the micro-circulation** and on the blood veins: The laser entails an enhancement of the local microcirculation that includes the relief of local spasms of arteries and veins (that take place for example after a trauma or an inflammation), determines an intensification of the blood flow within the nutritional capillaries.
- **Effect of photoenzymatic activation**
- **Placebo Effect**

WHY LIS 1050

- New Design Medical Italia
- Easy to use: very clear and easy interface Influx Automatic calculation (Joules)
- Multilingual software
- 50 therapeutic Suggestions
- Probe with automatic contact sensor (if the lens is close to the skin, it begins delivering laser)
- Possibility to connect different laser probes (monodiodic or multidiodic up to a maximum power of 800 mW)

SUPPLIED ACCESSORIES	LIS 1050
Power cable	1
User Manual in DVD	1
Fuses	2 x 3.15 A-T
Laser Probe MLA1 (25 mW)	1
Laser goggles	2
Interlock (security key)	1

Optional accessories → pg. 63 Technical specifications → pg. 70

MAGNETOMED 2000

BUSINESS LINE

MAGNETIC THERAPY

MAGNETOMED 2000
MA1330

Magnetomed 2000 (only generator), is a device for magnetic therapy with 2 outputs that generates a magnetic field at low frequency (adjustable from 1 to 100 Hz) with an intensity up to 100 Gauss for each output, causing beneficial effects especially on tissue regeneration and bone tissue.

MAIN INDICATIONS

- **Recent fractures and nonunion**
- **Osteoporosis**
- **Nonunion**
- **Sudeck's disease and osteoporosis**
- **Arthropathies of inflammatory and degenerative nature**
- **Arterial occlusive disease**
- **Bedsores**
- **Psoriasis**

WHY MAGNETOMED 2000

- New Design Medical Italia
- Exclusive MFC patented Solenoid (magnetic induction produced outside the solenoid is drastically reduced, concentrating the lines of force within the same, thus affecting only the patient and no more the operator.
- Easy to use: very clear and easy interface
- 50 therapeutic suggestions
- Maximum output power :100 Gauss for each channel
- Multilingual software

SUPPLIED ACCESSORIES	MAGNETOMED 7200 / 8200 /8400
Power cable	1
User Manual in DVD	1
Fuse	2 x315mA-T
Ring magnet (to test the unit)	1

Optional accessories → pg. 60 Technical specifications → pg. 71

RADAR THERAPY

_ THERAPEUTIC ACTIONS

- Reduction of pain
- Improvement of the Collagen extensibility
- Reduction of stiffness
- Reduction of edema and inflammatory exudates
- Increase the blood flow

RT250 DIGITAL

RT250 DIGITAL
RT1341

RT 250 Digital Electric radar therapy Equipment for radar therapy with continuous and pulsed operation mode

.

RADARTHERAPY

Radartherapy make use of electromagnetic waves in the frequency band of microwaves, which develop in the treated tissues a heat that is transmitted in depth, obtaining an analgesic effect.
The higher heating occurs in tissues with more presence of water (eg. muscles and periarticular tissues), whereas the lower heating effect occurs in those with a low content of liquid (eg. adipose tissue).

The radar therapy, besides thermal effect, causes vasodilatation that remains high for about 20 minutes after treatment and affects only capillaries and precapillary arteries.

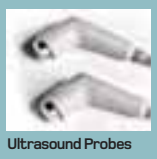
WHY RT250 DIGITAL

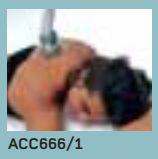
- New Design Medical Italia
- Easy to use: very clear and easy interface
- 50 therapeutic suggestions
- Possibility to connect the device to a three-dimensional antenna (A3D model) for applications in the shoulder, neck, spine, and rectangular antenna (AR model) for applications on large areas like arms and legs, spine, neck.
- Multilingual software
- Pulsed and continuous emission mode
- Radar with swivel arm for easy attachment of multiple positions that allows multiple applications

SUPPLIED ACCESSORIES	RT250 DIGITAL
Power cable	1
User Manual DVD	1
Fuses	2 x 6.3 A-T
Pantograph arm	1
High frequency output cable	1
Circular antenna AC (ACC191)	1

Optional accessories → pg. 59 Technical specifications → pg. 72

ULTRASOUND THERAPY
ELECTRO - ULTRASOUND THERAPY


Ultrasound Probes


ACC666/1

Gel

ACC400/1

ACC403 – ACC402

Sponges for electrodes

ACC28 – ACC27

ACC051

Self-adhesive electrodes

ACC231

ACC624

ACC605 BO-U

ACC606

ACC601

ACC603/8

CONT72

ACC604

ACC1317/2/E

OPTIONAL ACCESSORIES		K-SOUND	ULTRASONIC	COMBIMED 200	COMBIMED 2200	US 50
ACC940	TV5 ultrasound probe 1 / 3 mhz, emitting area 5 cm²		●		●	
ACC940/1	TV1 ultrasound probe 1 / 3 mhz, emitting area 1 cm²		●		●	
ACC940/3	TV3 ultrasound probe 1 / 3 mhz, emitting area 3 cm²		●		●	
ACC940/8	TV8 ultrasound probe 1 / 3 mhz, emitting area 8 cm²		●		●	
ACC943	TV5 ultrasound probe 1 / 3 mhz, emitting area 5 cm²	●		●		●
ACC943/1	TV1 ultrasound probe 1 / 3 mhz, emitting area 1 cm²	●		●		●
ACC943/3	TV3 ultrasound probe 1 / 3 mhz, emitting area 3 cm²	●		●		●
ACC943/8	TV8 ultrasound probe 1 / 3 mhz, emitting area 8 cm²	●		●		●
ACC939/2	TV5 ultrasound probe 2 mhz, emitting area 5 cm²	●				
ACC939/6	TV1 ultrasound probe 2 mhz, emitting area 1 cm²	●				
ACC939/7	TV3 ultrasound probe 2 mhz, emitting area 3 cm²	●				
ACC939/9	TV8 ultrasound probe 2 mhz, emitting area 8 cm²	●				
ACC666/1	Ultrasound probe with integrated water bolus kit (gel holder)	●	●	●	●	●
ACC917	Gel 260 ml	●	●	●	●	●
ACC918	Gel 1000 ml	●	●	●	●	●
ACC919	Gel canister 5000 ml	●	●	●	●	●
ACC400/1	Conductive rubber electrode, 80 x 120 mm			●	●	
ACC403	Conductive rubber electrode, 60 x 85 mm			●	●	
ACC402	Conductive rubber electrode, 50 x 50 mm			●	●	
ACC401	Sponge electrode cover, 80 x 120 mm			●	●	
ACC003	Sponge electrode cover, 60 x 85 mm			●	●	
ACC001	Sponge electrode cover, 50 x 50 mm			●	●	
ACC28	Stretch bandage, 1000 x 50 mm			●	●	
ACC27	Stretch bandage, 600 x 50 mm			●	●	
ACC051	Probe for manual stimulation			●	●	
ACC430	Self-adhesive electrodes, 45 x 35 mm (4 pcs.)			●	●	
ACC432	Self-adhesive electrodes, 45 x 80 mm (4 pcs.)			●	●	
ACC431	Self-adhesive electrodes, 46 x 47 (4 pcs.)			●	●	
ACC433	Self-adhesive electrodes, 45 x 98 (4 pcs.)			●	●	
ACC436	Self-adhesive round electrodes, ø 32 mm (4 pcs.)			●	●	
ACC435	Self-adhesive round electrodes, ø 50 mm (4 pcs.)			●	●	
ACC434	Self-adhesive round electrodes, ø 75 mm (4 pcs.)			●	●	
ACC231	Kit of galvanic basins			●	●	
ACC624	Link cable for combined use of electrotherapy / ultrasound	●	●			●
ACC605 BO-U	Orthostatic arm	●	●	●	●	●
ACC606	Pack of 10 patient smart cards		●		●	
ACC601	Uro-gynaecology kit			●	●	
ACC603/8	2-channel electrotherapy output cable			●	●	
CONT72	Transport bag in tnt fabric	●	●	●	●	●
ACC604	3-shelf trolley	●	●	●	●	●
ACC1317/2/E	USB key	●				

ELECTROTHERAPY

ACC400/1

ACC403 - ACC402

Sponges for electrodes

ACC28 - ACC27

ACC051

ACC231

Self-adhesive electrodes

ACC624

ACC606

ACC601

ACC603/8

ACC603/9

CONT72

ACC604

ACC1317/2/E

OPTIONAL ACCESSORIES		ELEKTRA	THERAPIC 7200-9200-9400	THERAPIC 2000
ACC400/1	Conductive rubber electrode, 80 x 120 mm	●	●	●
ACC403	Conductive rubber electrode, 60 x 85 mm	●	●	●
ACC402	Conductive rubber electrode, 50 x 50 mm	●	●	●
ACC401	Sponge electrode cover, 80 x 120 mm	●	●	●
ACC003	Sponge electrode cover, 60 x 85 mm	●	●	●
ACC001	Sponge electrode cover, 50 x 50 mm	●	●	●
ACC28	Stretch bandage, 1000 x 50 mm	●	●	●
ACC27	Stretch bandage, 600 x 50 mm	●	●	●
ACC051	Probe for manual stimulation	●	●	●
ACC430	Self-adhesive electrodes, 45 x 35 mm (4 pcs.)	●	●	●
ACC432	Self-adhesive electrodes, 45 x 80 mm (4 pcs.)	●	●	●
ACC431	Self-adhesive electrodes, 46 x 47 (4 pcs.)	●	●	●
ACC433	Self-adhesive electrodes, 45 x 98 (4 pcs.)	●	●	●
ACC436	Self-adhesive round electrodes, ø 32 mm (4 pcs.)	●	●	●
ACC435	Self-adhesive round electrodes, ø 50 mm (4 pcs.)	●	●	●
ACC434	Self-adhesive round electrodes, ø 75 mm (4 pcs.)	●	●	●
ACC231	Kit of galvanic basins	●	●	●
ACC624	Link cable for combined use of electrotherapy / ultrasound	●	●	●
ACC603/8	2-channel electrotherapy output cable	●	●	●
ACC603/9	4-channel electrotherapy output cable		(THERAPIC 9400)	
ACC606	Pack of 10 patient smart cards		●	
ACC601	Uro-gynaecology kit	●	●	●
CONT72	Transport bag in tnt fabric	●	●	●
ACC604	3-shelf trolley	●	●	●
ACC1317/2/E	USB key	●		

RADAR THERAPY

ART22433

ACC616

Radar antennas

ACC606

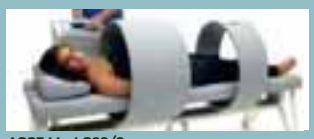
OPTIONAL ACCESSORIES		RADARMED	RT 250 DIGITAL
ART22433	Orthostatic arm	●	●
ACC616	High-frequency radar cable	●	●
ACC191	Ac round antenna	●	●
ACC235	A3D – 3-dimensional antenna	●	●
ACC234	AR – rectangular antenna	●	●
ACC606	Pack of 10 patient smart cards	●	

MAGNETIC THERAPY

ACC549 – CP30

ACC550 – CP50

ACC615 – CP


ACC544 – LC60/2

ACC543 – LC60

ACC604

ACC606

CONT72

60

OPTIONAL ACCESSORIES		MAGNETOMED	MAGNETOMED 2000
ACC549 – CP30	Portable cylinder with 30cm diameter for the treatment of lower and upper limbs, equipped with feet for standing on flat surfaces, with exclusive MFC patented system which concentrates the lines of force inside the solenoid without external dispersion (in conformity with d. lgs. 626). Identification of the north pole for correct orientation.	●	●
ACC550 – CP50	Portable cylinder with 50cm diameter for the treatment of lower and upper limbs, equipped with feet for standing on flat surfaces, with exclusive MFC patented system which concentrates the lines of force inside the solenoid without external dispersion (in conformity with d. lgs. 626). Identification of the north pole for correct orientation.	●	●
ACC615 – CP	Pair of applicators sized 16 x 10 x 3,5 cm for localised treatments. The applicators can work side by side (to treat wide areas) or one opposed to the other (to concentrate magnetic induction in a limited area). Light weight and reduced heat sensation during the treatment.	●	●
ACC551/1 – LC60/2	High-tech couch in aluminium with 2 highly sliding tracks and 2 cylinders with 60 cm diameter and 30 cm large, covered with imitation leather, featuring exclusive MFC patented system which concentrates the lines of force inside the solenoid without external dispersion (in conformity with d. lgs. 626). Identification of the north pole for correct orientation.	●	●
ACC551 – LC60	High-tech couch in aluminium with 1 highly sliding track and 1 cylinder with 60 cm diameter and 30 cm large, covered with imitation leather, featuring exclusive MFC patented system which concentrates the lines of force inside the solenoid without external dispersion (in conformity with d. lgs. 626). The 60 cm solenoid is installed on a tray with ball-bearing system that slides over the entire length of the couch. Identification of the north pole for correct orientation.	●	●
ACC715 – LC60E	High-tech couch in aluminium with electrical sliding system equipped with 1 highly sliding track and 1 solenoid with 60 cm diameter and 30 cm large, 1 remote control.	●	●
ACC668	Cable for the cylinder	●	●
ACC604	3-shelf trolley	●	●
ACC606	Pack of 10 patient smart cards	●	
CONT72	Transport bag in tnt fabric	●	●

ENDODIATERMY

ACC1268/1 – ACC1268

ACC1280/1 – ACC1280

Resistive electrodes

Capacitive electrodes

ACC1310

ACC1309

ACC1506/2

ACC606

ACC1317/2/E

ACC604

CONT72

OPTIONAL ACCESSORIES		HR TEK DESK	HR TEK	HR TEK BASIC
ACC1268/1	Applicator for resistive electrodes with power regulation	●	●	
ACC1268	Applicator for capacitive electrodes with power regulation	●	●	
ACC1280/1	Applicator for capacitive electrodes			●
ACC1280	Applicator for resistive electrodes			●
ACC1268/3	Resistive electrode ø 30 mm	●	●	●
ACC1268/5	Resistive electrode ø 50 mm	●	●	●
ACC1268/7	Resistive electrode ø 70 mm	●	●	●
ACC1268/8	Resistive electrode ø 80 mm	●	●	●
ACC1307/3	Capacitive electrode ø 30 mm	●	●	●
ACC1307/5	Capacitive electrode ø 50 mm	●	●	●
ACC1307/7	Capacitive electrode ø 70 mm	●	●	●
ACC1307/8	Capacitive electrode ø 80 mm	●	●	●
ACC1506/1	Steel plate	●	●	●
ACC1310	Cylindrical mass	●	●	●
ACC1506/2	Canister of conductive cream 1000 ml	●	●	●
ACC606	Pack of 10 patient smart cards			●
CONT72	Transport bag in tnt fabric	●		●
ACC604	3-shelf trolley	●		●
ACC1317/2/E	USB key	●	●	

HPLS HIGH POWER LASER SYSTEM
ND:YAG LASERTHERAPY

ACC1274

ACC606

ACC1317/2/E

ACC604

CONT72

ACC954

OPTIONAL ACCESSORIES		BIPOWER LUX 6W – 12W	VIKARE 4W – 8W	CRYSTAL YAG	CRYSTAL YAG DESK
ACC1274	Defocused laser probe with optical fibre, 4 spot sizes			●	
ACC606	Pack of 10 patient smart cards		●		
ACC954	Laser protective goggles	●	●	●	●
CONT72	Transport bag in tnt fabric	●	●		●
ACC604	3-shelf trolley		●		●
ACC1317/2/E	USB key	●		●	●

PRESSURE THERAPY

ACC536 – GC9

ACC334 – GC9/S

ACC533 – BC7 PRO

ACC535 – BC5 x 2

ACC606

OPTIONAL ACCESSORIES		PRESSOMED 2900
ACC536 – GC9	Kit point with 9 sectors for lower limbs. The kit is composed of 2 leg sleeves with 6 sectors, 1 inguinal sector, 2 abdominal Sectors, internal air chambers in latex, Velcro closure.	●
ACC334 – GC9/S	Kit point with 9 sectors for lower limbs and separate foot sector. The kit is composed of 2 foot sectors, 2 leg sleeves with 4 sectors, 1 inguinal sector, 2 abdominal sectors, internal air chambers in latex, Velcro closure.	●
ACC533 – BC7 PRO	Kit point with 7 sectors for upper limbs, designed for post mastectomy applications.	●
ACC535 – BC5 x 2	Kit point with 7 sectors for upper limbs, general purpose applications.	●
ACC606	Pack of 10 patient smart cards	●

SHOCK MED

ACC944

ACC946

ACC947

ACC948

ACC945

ACC606

ACC1317/2/E

ACC604

CONT72

OPTIONAL ACCESSORIES		SHOCK MED	SHOCK MED COMPACT
ACC944	Applicator with 15 mm transmitter	●	●
ACC946	Focused transmitter, 15 mm	●	●
ACC947	Multi focused transmitter, 9mm	●	●
ACC948	Multi focused transmitter, 15 mm	●	●
ACC945	Interchangeable kit for the applicator	●	●
ACC606	Pack of 10 patient smart cards		●
CONT72	Transport bag in tnt fabric		●
ACC604	3-shelf trolley		●
ACC1317/2/E	USB key	●	

LASER THERAPY

Multidiodic probe

Monodiodic probe

Probe holder

ACC605/1

ACC062

ACC954

ACC539/2

ACC606

CONT72

ACC604

OPTIONAL ACCESSORIES		LASERMED 2100 – 2200	LIS 1050	PR999
MULTIDIODIC PROBES	Are used to widen the area to be irradiated.			
ACC681-MLA3/75	Laser probe with 3 diodes of 25mw (75mw in total) + guide light	●	●	●
ACC682-MLA3/150	Laser probe with 3 diodes of 50 mw (150 mw in total) + guide light	●	●	●
ACC683-MLA3/300	Laser probe with 3 diodes of 100 mw (300 mw in total) + guide light	●	●	●
ACC684-MLA5/125	Laser probe with 5 diodes of 25 mw (125 mw in total) + guide light	●	●	●
ACC685-MLA5/250	Laser probe with 5 diodes of 50 mw (250 mw in total) + guide light	●	●	●
ACC686-MLA5/500	Laser probe with 5 diodes of 100 mw (500 mw in total) + guide light	●	●	●
ACC687-MLA8/200	Laser probe with 8 diodes of 25 mw (200 mw in total) + guide light	●	●	●
ACC688-MLA8/400	Laser probe with 8 diodes of 50 mw (400 mw in total) + guide light	●	●	●
ACC689-MLA8/800	Laser probe with 8 diodes of 100 mw (800 mw in total) + guide light	●	●	●
MONODIODIC PROBES				
ACC553 – MLA1/25	Laser probe (905 nm) with 1 diode of 25 mw + guide light	●	●	●
ACC678 – MLA1/50	Laser probe (905 nm) with 1 diode of 50 mw + guide light	●	●	●
ACC679 – MLA1/100	Laser probe (905 nm) with 1 diode of 100 mw + guide light	●	●	●
ACC680 – MLA1/500 POWER	Laser probe (808 nm) with 1 diode of 500 mw + guide light	●	●	●
ACC691 – MLA ACU	Kit for laser acupuncture composed of laser probe with 1 diode of 25mw with special focusing lens	●	●	●
ACC601	Round lens for MLA1	●	●	●
ART22120	Round lens for MLA3	●	●	●
ART22125	Round lens for MLA5 / 8	●	●	●
ACC600	Conical lens for MLA ACU	●	●	●
ART22157	Probe holder for MLA5 /MLA8	●	●	●
ART2230-MLAI	Probe holder for MLA1 / MLA3	●	●	●
ACC605/1	Pantographic arm for MLA1 / MLA3 / MLA5 / MLA8	●	●	
ACC062	EME laser protective goggles	●	●	●
ACC954	Laser protective goggles	●	●	●
ACC539/2	Interlock	●	●	●
ACC606	Pack of 10 patient smart cards	●		●
CONT72	Transport bag in tnt fabric	●	●	
ACC604	3-shelf trolley	●	●	

MULTIPLE THERAPIES

ACC400/1

ACC403 - ACC402

Sponges for electrodes

ACC28 - ACC27

Self-adhesive electrodes

ACC300

ACC559

ACC528/1

ACC062

OPTIONAL ACCESSORIES		POLYTER 6	POLYTER 10
ELECTROTHERAPY			
ACC400/1	Conductive rubber electrode, 80 x 120 mm	●	●
ACC403	Conductive rubber electrode, 60 x 85 mm	●	●
ACC402	Conductive rubber electrode, 50 x 50 mm	●	●
ACC401	Sponge electrode cover, 80 x 120 mm	●	●
ACC003	Sponge electrode cover, 60 x 85 mm	●	●
ACC001	Sponge electrode cover, 50 x 50 mm	●	●
ACC28	Stretch bandage, 1000 x 50 mm	●	●
ACC27	Stretch bandage, 600 x 50 mm	●	●
ACC306	Self-adhesive electrodes, 45 x 35 mm	●	●
ACC305	Self-adhesive electrodes, 45 x 80 mm	●	●
ACC905	Self-adhesive electrodes, 46 x 47 mm	●	●
ACC906	Self-adhesive electrodes, 53 x 96 mm	●	●
ACC907	Self-adhesive electrodes, 46 x 98 mm	●	●
ACC909	Self-adhesive electrodes, 45 x 100 mm	●	●
ACC910	Self-adhesive round electrodes, ø 32 mm	●	●
ACC911	Self-adhesive round electrodes, ø 50 mm	●	●
ACC912	Self-adhesive round electrodes, ø 75 mm	●	●
ACC300	Electrotherapy output cable	●	●
LASER THERAPY			
ACC559	Laser probe, 25mw +guide light	●	●
ACC062	EME laser protective goggles	●	●
ULTRASOUND THERAPY			
ACC528/1	Ultrasound probe 1 mhz, 5 cm^2	●	●

VACUUM THERAPY

ACC914

ACC695

ACC913

ACC916

ACC621

ACC915

ACC696

ACC697

ACC699

ACC604

OPTIONAL ACCESSORIES		VACUUMED
ACC913	Vacuum cups, ø 30 mm (2 pcs.)	●
ACC695	Vacuum cups, ø 60 mm (2 pcs.)	●
ACC914	Vacuum cups, ø 90 mm (2 pcs.)	●
ACC915	Vacuum sponges, ø 30 mm (4 pcs.)	●
ACC621	Vacuum sponges, ø 60 mm (4 pcs.)	●
ACC916	Vacuum sponges, ø 90 mm (4 pcs.)	●
ACC696	Vacuum output cable	●
ACC697	Link cable for combined use of vacuum/electrotherapy	●
ACC699	Short output cable, 20 cm	●
ACC604	3-shelf trolley	●

MARKETING

SCIENTIFIC LITERATURE

ACCM01	"Manuale clinico di terapia fisica" by Dr Aldo Vasta (Italian version, 5 copies)
ACCM02	" Clinical Manual of physical therapy" by Dr Aldo Vasta (English version, 5 copies)
ACCM03	"Stimolazione elettrica neuromuscolare" by Dr Aldo Vasta (Italian version, 5 copies)

POSTER

ACCM16	POSTER ELEKTRA/KSOUND
ACCM17	POSTER MAGNETOMED
ACCM18	POSTER RADARMED
ACCM19	POSTER SHOCKWAVE
ACCM20	POSTER HR TEK
ACCM21	POSTER PR 999
ACCM22	POSTER VIKARE/BIPOWERLUX
ACCM23	POSTER PRESSOMED

ULTRASOUND TECHNICAL SPECIFICATIONS

MODELS	ULTRASONIC 1300	ULTRASONIC 1500 / 2500	US50	K-SOUND
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	40 VA	70 VA	40 VA	40 VA
Fuses	2 x 630 mA-T	2 x 630 mA-T	2 x 630 mA-T	2 x 630 mA-T
Backlit LCD display to view and check the operating parameters	Graphic colour 320x240 Pixel Touch & Scrool	Graphic colour 320x240 Pixel Touch & Scrool	Graphic bw 240x128 Pixel	Graphic colour 8" Touch screen
Adjustable treatment time	1-30 minutes	1-30 minutes	1-30 minutes	1-30 minutes
Operation frequency	1/3 MHz	1/3 MHz	1/3 MHz	1-2-3 MHz
Isolation class	I BF Type	I BF Type	I BF Type	I BF Type
Risk class (93/42/CEE)	IIB	IIB	IIB	IIB
Degree of protectioni from liquids	IPXO	IPXO	IPXO	IPXO
Probe	IPX4	IPX4	IPX4	IPX4
Output channels	1	2 independent	1	2 indipendent
Peak power in continuous mode	2 W / cm^2 ± 20%	2 W / cm^2 ± 20%	2 W / cm^2 ± 20%	2 W / cm^2 ± 20%
Peak power in pulsed mode	3 W / cm^2 ± 20%	3 W / cm^2 ± 20%	3 W / cm^2 ± 20%	3 W / cm^2 ± 20%
Duty cycle	10% - 100%	10% - 100%	10% - 100%	10% - 100%
Stored protocols	100	100	50	100
Storable programs on the internal memory	200	200	50	250
Storable programs on the Smart Card	200	200		
Storable programs on the USB				4 Gb
Automatic contact sensor	•	•	•	•
Automatic probe recognition	•	•	•	•
Low BNR selfcalibrating probe	•	•	•	•
Water resistant probe	•	•	•	•
Possibility to update the software	•	•		•
External connection	•	•	•	•
Weight		3,6 Kg 2500 - 26 Kg	1500 - 4 Kg	3,6 Kg 3,6 Kg
Size	39 x 14 x 30 cm	1500 - 39 x 14 x 30 cm 2500 - 39 x 89 x 30 cm	39 x 14 x 30 cm	39 x 14 x 30 cm

ELECTROTHERAPY TECHNICAL SPECIFICATIONS

MODELS	THERAPIC 7200 / 9200	THERAPIC 9400	ELEKTRA 2	THERAPIC 2000
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	30 VA	35 VA	30 VA	30 VA
Double delayed type (T) mains fuse protection	2 x 630 mA-T	2 x 630 mA-T	315 mA-T	2 x 630 mA-T
Backlit LCD display to view and check the operating parameters	Graphic colour 320 x 240 Pixel Touch & Scrool	Graphic bw 320 x 240 Pixel Touch & Scrool	Graphic colour 8" Touch Screen	Graphic bw 240 x 128 Pixel
Adjustable treatment time	1 - 99 minutes	1 - 99 minutes	1 - 99 minutes	1 - 99 minutes
Operation	Constant Voltage Constant Current	Constant Voltage Constant Current	Constant Voltage Constant Currente	Constant Voltage Constant Current
Risk class (93/42/CEE)	IIB	IIB	IIB	IIB
Creation of the Rheobase and Chronaxie intensity/Time curvea	•	•	•	
Interferential currents	Until 4.000 HZ	Until 4.000 HZ	Until 4.000 HZ	Until 4.000 HZ
Current high voltage			500V	
Micro current			•	
Continuous currents Ionthophoresis	Limited to 50 mA	Limited to 50 mA	Limited to 50 mA	Limited to 30 mA
Diadynamic currents	Limited to 70 mA	Limited to 70 mA	Limited to 50 mA	Limited to 50 mA
Peak currents with other wave forms	120 mA	120 mA	100 mA	100 mA
Peak power	100 V	100 V	100 V	100 V
Independent output channels	2	4	2	2
Alarm "incorrect output load"	•	•		•
Automatic and/or manual polarity inversion	•	•	•	
Stored protocols	100	100	250	50
Storable programs on the internal memory	200	200	200	50
Storable I/T curve diagnose	100	100	100	
Protocols in sequence	10	10	10	
80 Storable programs on the Smart Card	50 programs 20 I/T curve diagnose 10 protocols in sequence	50 programs 20 I/T curve diagnose 10 protocols in sequence		
Storable programs on the USB			4 Gb	
Ultrasound connection	•	•	•	•
Vacuumed connection	•	•	•	•
Possibility to update the software	•	•	•	
Weight	4,4 Kg	4,4 Kg	4,4 Kg	4,3 Kg
Size	39 x 14 x 30 cm	39 x 14 x 30 cm	39 x 14 x 30 cm	39 x 14 x 30 cm

COMBINED DEVICES TECHNICAL SPECIFICATIONS

MODELS	COMBIMED 200	COMBIMED 2200
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	60 VA	60 VA
Risk class (93/42/CEE)	IIB	IIB
Double delay mains fuse	630 mA-T	630 mA-T
Backlit LCD display to view and check the operating parameters	Graphic bw 240 x 128 Pixel	Graphic bw 320 x 240 Pixel Touch&scrool
Stored protocols	25 for Electrotherapy 25 for Ultrasounds	40 for Electrotherapy 40 for Ultrasounds 20 combined programs
Storable programs on the internal memory	50	100 for Electrotherapy 100 for Ultrasounds
Storable programs on the Smart Card		200
Numeric generation of waveforms using DSP		•
Vacuumed connection	•	•
Possibility to update the software		•
ELECTROTHERAPY SECTION		
Adjustable treatment time	1-99 minutes	1-99 minutes
Output channels for electrotherapy	2 independent outputs	2 independent outputs
Low and medium frequency currents	16 wave forms	17 wave forms
Operation	Constant Voltage Constant current	Constant Voltage Constant current
Peak power	100 V	100 V
Peak power on other wave forms	100 mA	120 mA
Creation of the I/T curve, of the Rheobase and Chronaxie		•
Allarm "incorrect output load"		•
Weight	7 Kg.	7 Kg.
Size	39 x 14 x 30 cm	39 x 14 x 30 cm
ULTRASOUND SECTION		
Adjustable treatment time	1 - 30 minutes	1 - 30 minutes
Output channels for ultrasounds	1	1
Emission frequency	1 MHz e 3 MHz ± 15%	1 MHz e 3 MHz ± 15%
Adjustable duty cycle	10% - 100%	10% - 100%
Peak power on continuous mode	2 W / cm^2 ± 20%	2 W / cm^2 ± 20%
Peak power on pulsed mode	3 W / cm^2 ± 20%	3 W / cm^2 ± 20%
Automatic recognition of the probe		•
Low BNR self calibrating probes	•	•
Water resistant probes	•	•

MULTIFUNCTIONAL EQUIPMENT TECHNICAL SPECIFICATIONS

MODELS	POLYTER 6	POLYTER 10
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Battery duration	about 3 - 4 hours	about 3 - 4 hours
Recharge time	about 3 - 4 hours	about 3 - 4 hours
Maximum main power	10 VA	10 VA
Risk class (93/42/CEE)	IIB	IIB
Backlit LCD display to view and check the operating parameters	Alphanumeric bw 40x2 display	Alphanumeric bw 40x2 display
Outputs channels for electrotherapy	1	2
Output channels for laser therapy	1	1
Output channels for magneto therapy	1	1
Output channels for ultrasounds	1	1
Adjustable treatment time	1 - 99 minutes	1 - 99 minutes
Adjustable ultrasound treatment time	0 - 30 minutes	0 - 30 minutes
Operative acoustic signals	•	•
Deliverable current for electrotherapy applications	0 - 50 mA	0 - 50 mA
Magnetotherapy - Intensity of the applied field	da 0 a 100 Gauss (linear)	da 0 a 100 Gauss (linear)
Magnetotherapy frequency	10, 25 e 50 Hz	10, 25 e 50 Hz
IR diode laser control	stimul: 3500 Hz - Analgesic: 200 Hz	stimul: 3500 Hz - Analgesic: 200 Hz
Ultrasound control	From 0 to 1,8 W continuous	from 0 to 2 W pulsed 10-100% (in steps of 10)

PRESSURE THERAPY TECHNICAL SPECIFICATIONS

MODELS	PRESSOMED 2900
Power supply	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	220 VA
Double mains fuse protection	1.6A-T
Backlit LCD Display to view and check the operating parameters	Graphic colour 320x240 Pixel - Touch&scrool
Adjustable treatment time	1-99 minutes
Number of pneumatic sectors (outputs)	9
Maximum pressure	150 mm Hg
Isolation class	I tipo BF
Risk class (93/42/CEE)	IIA
Alarm in case of damage of Kit Point	•
Kit Point control test	•
Automatic Kit Point deflation at the end of treatment	•
Independent pressure adjustment for each sector	•
Stored protocols	21
Storable procotols on the Smart Card	100
Storable procotols on the internal memory	100
Weight	30 Kg
Size	39 x 89 x 30 cm

LASERTHERAPY TECHNICAL SPECIFICATIONS

MODELS	LASERMED 2100	LASERMED 2200	LIS 1050
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Double delay type (T) mains	315 mA-T	315 mA-T	315 mA-T
Backlit LCD Display to view and check the operating parameters	Graphic colour - 320 x 240 Pixel Touch&scrool	Graphic colour - 320 x 240 Pixel Touch&scrool	Graphic bw 240x128 Pixel
Length of the Diode laser emission wave	905 nm	905 nm	905 nm
Adjustable treatment time	1-99 minutes	1-99 minutes	1-99 minutes
Adjustable pulse frequency	200 - 10.000 Hz	200 - 10.000 Hz	200 - 10.000 Hz
Pulse duration	100 nsec	100 nsec	100 nsec
Pulsed mode	10 - 100%	10 - 100%	10 - 100%
Output channels	1	2 indipendenti	1
Isolation class	I BF Type	I BF Type	I BF Type
Risk class (93/42/CEE)	IIB	IIB	IIB
Laser classification	3B	3B	3B
Stored protocols	82	82	50
Storable procotols on the internal memory	200	200	50
Storable programs on the Smart Card	200	200	
Automatic contact sensor	•	•	•
Possibility to update the software	•	•	
Weight	4 Kg	4 Kg	4 Kg
Size	39 x 14 x 30 cm	39 x 14 x 30 cm	39 x 14 x 30 cm

VACUUM THERAPY TECHNICAL SPECIFICATIONS

MODELS	VACUUMED
Main power supply	230 Vca, 50-60Hz ± 10%
Maximum power absorbed from the mains	25 VA
Risk class (MDD 93/42/CEE)	IIA
Treatment time	Adjustable
Range di temperature operative	(+10 : + 40) °C
Depressione realizzabile	(0 : 0,6) bar
Maximum pulses with full scale frequency	60 with minimum suction intensity 15 with minimum suction intensity
Electric output channels	2 independent outputs
Table container in plastic, external size (width x height x depth)	340 x 110 x 355 mm
Weight	6,4 Kg

MAGNETIC THERAPY TECHNICAL SPECIFICATIONS

MODELS	MAGNETOMED 7200 /8200	MAGNETOMED 8400	MAGNETOMED 2000
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Fuses	2 x 3.15A-T	2 x 6.3A-T	2 x 3.15A-T
Backlit LCD display to view and check the operating parameters	Graphic colour 320x240 Pixel Touch&scrool	Graphic colour 320x240 Pixel Touch&scrool	Graphic bw 240x128 Pixel
Adjustable treatment time	1 - 99 minutes	1 - 99 minutes	1 - 99 minutes
Adjustable treatment frequency	1-100 Hz	1-100 Hz	1-100 Hz
Maximum induction	100 Gauss ± 20%	100 Gauss ± 20%	100 Gauss ± 20%
Isolation class	I BF Type	I BF Type	I BF Type
Risk class (93/42/CEE)	IIA	IIA	IIA
Degree of protection from liquids	IPXO	IPXO	IPXO
MFC patent that reduces electromagnetic pollution by more than 85%	•	•	•
Output channels	2	4 indipendenti	2
Stored protocols	100	100	50
Storable procotols on the internal memory	200	200	50
Storable programs on the Smart Card	200	200	
Power greater than 400 Gauss		•	
Possibility to manage solenoids in various shapes and sizes	•	•	•
Protection from electric short circuit	•	•	•
Adjustable Duty cycle from 10% a 100%	•	•	
Weight	7200: 3,5 Kg 8200: 27 Kg	27 Kg	4 Kg
Size	7200: 39 x 14 x 30 cm 8200: 39 x 89 x 30 cm	39 x 89 x 30 cm	39 x 14 x 30 cm

RADAR THERAPY TECHNICAL SPECIFICATIONS

MODELS	RADARMED 2500 CP	RT 250 DIGITAL
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	650 VA	650 VA
Double delay type (T) mains	6.3 A-T	6.3 A-T
Backlit LCD display to view and check the operating parameters	Graphic colour 320x240 Pixel Touch & Scrool	Graphic bw 240x128 Pixel
Adjustable treatment time	1-30 minutes	1-30 minutes
Pulsed peak power on 50 Ohm load	1600 W	1600 W
Continuous peak power on 50 Ohm load	250 W	250 W
Isolation class	I BF Type	I BF Type
Risk class (93/42/CEE)	IIB	IIB
Degree of protection from liquids	IPXO	IPXO
Stored protocols	100	50
Storable procotols on the Smart Card	200	
Storable programs on the internal memory	200	50
Alarm in case of overheating	•	•
Diagnostic test to check the unit function	•	
Low noise fans	•	
Weight	40 Kg	40 Kg
Size	39 x 89 x 30 cm	39 x 89 x 30 cm

HPLS - HIGH POWER LASER

TECHNICAL SPECIFICATIONS

MODELS	VIKARE 4W	VIKARE 8W	BIPOWER LUX 6W	BIPOWER LUX 12W
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	70 VA	70 VA	75 VA	75 VA
Double delay type (T) main fuses	230 Vac 630 mA-T-5x20 mm	230 Vac 630 mA-T-5x20 mm	230 Vac 630 mA-T-5x20 mm	230 Vac 630 mA-T-5x20 mm
Backlit LCD display to view and check the operating parameters	Graphic colour LCD 6" Touch screen	Graphic colour LCD 6" Touch screen	Graphic colour LCD 8" Touch screen	Graphic colour LCD 8" Touch screen
Maximum power	4W	8W	6W	12W
Configuration of the laser probe	Integral connection with the machine	Integral connection with the machine	Integral connection with the machine	Integral connection with the machine
Emission wavelength laser diode	940 nm	940 nm	810 + 980 nm	810 + 980 nm
Laser Classification	4	4	4	4
DNRO (m)	1,215	1,721	2,100	2,986
Emission frequency	100 Hz – 10000 Hz	100 Hz – 10000 Hz	100 Hz – 10000 Hz	100 Hz – 10000 Hz
Pulsed mode	10% - 100%	10% - 100%	10% - 100%	10% - 100%
Classification according to Directive 93/42/EEC	IIB	IIB	IIB	IIB
Output channels	1	1	1	1
Insulation class / parts applied in accordance with EN 60601-1	I/BF	I/BF	I/BF	I/BF
Stored protocols	32	32	32	32
Storable programs on the internal memory	200	200	200	200
Storable programs on the Smart Card	200	200		
Storable programs on the USB			4 Gb	4 Gb
Weight	4,65 Kg	4,65 Kg	4,90 Kg	4,90 Kg
Transportable desktop container Size	39 x 17,5 x 28 cm	39 x 17,5 x 28 cm	39 x 17,5 x 28 cm	39 x 17,5 x 28 cm

SHOCKWAVE TECHNICAL SPECIFICATIONS

MODELS	SWT SHOCK MED	SHOCK MED COMPACT
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum mains power absorption	80 VA	80 VA
Maximum compressor absorption	550 VA	550 VA
Frequency	from 50Hz to 60Hz	from 50Hz to 60Hz
Display	Graphic colour LCD 8" Touch Screen	Graphic colour LCD 6" Touch Screen
Risk class (93/42/CEE)	IIB	IIB
Intensity of electrical discharge	1- 5 Bar max	1- 4 Bar max
Frequency of electrical discharge	1- 22 Hz max	1- 15 Hz max
Treatment period	0 - 2 millions rounds	0 - 2 millions rounds
Stored protocols	20	20
Storable protocols on the internal memory	200	200
Storable protocols on the Smart Card		200
Storable protocols on the USB	4 Gb	
Patient's Card	•	•
Help on line	•	•
One-touch mode	•	•
Weight	31 Kg	8 Kg
Size	39 x 91 x 32 cm	39 x 17,5 x 28 cm

ENDODIATHERMY TECHNICAL SPECIFICATIONS

MODELS	HR TEK	HR TEK DESK	HR TEK BASIC
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Double delay type (T) mains	230 Vca - 3.15 A-T - 5x20 mm	230 Vca - 3.15 A-T - 5x20 mm	230 Vca - 3.15 A-T - 5x20 mm
Backlit LCD display to view and check the operating parameters	Graphic colour 320 x 340 pixel Touch Screen	Graphic colour 320 x 340 pixel Touch Screen	Graphic colour 320 x 340 pixel Touch Screen
Adjustable treatment time	until 30 minutes	until 30 minutes	until 30 minutes
Operation frequency	455 Khz ± 10%	455 Khz ± 10%	455 Khz ± 10%
Peak power	Max 300 Watt	Max 250 Watt	Max 200 Watt
Isolation class	I BF	I BF	I BF
Risk class (93/42/CEE)	II B	II B	II B
Output channels	2 - n.1 output capacitive use, n.1 output resistive use	2 - n.1 output capacitive use, n.1 output resistive use	2 - n.1 output capacitive use, n.1 output resistive use
Probe supplied with power adjustment buttons + / -	2 - n.1 for capacitive use, n.1 for resistive use	2 - n.1 for capacitive use, n.1 for resistive use	2 - without adjustment of power, n.1 capacitive, n.1 resistive
Stored protocols	48	48	20
Storable programs on the internal memory	200	200	200
Storable programs on the Smart Card			200
Storable programs on the USB	4 Gb	4 Gb	
Size	Trolley 39 x 89 x 30 cm	39 x 28 x 18 cm	39 x 28 x 18 cm
Weight	30 Kg	9,5 Kg	9,5 Kg

ND:YAG LASERTHERAPY TECHNICAL SPECIFICATIONS

MODELS	CRYSTAL YAG 1064	CRYSTAL YAG D 1064
Power supply	230 Vca, 50-60 Hz ± 10%	230 Vca, 50-60 Hz ± 10%
Maximum main power absorption	280 VA	75 VA
Double delay type (T) mains	230 Vac - 5 A-T	230 Vac - 5 A-T
Backlit LCD display to view and check the operating parameters	Graphic colour 8" Touch screen	Graphic colour 8" Touch screen
Peak power in continuous mode	25W	12W
Pulse adjustable	10 - 100%	10 - 100%
Setting emission	10 - 100%	10 - 100%
Emission	Continuous	Continuous
Emission frequency	0 - 30Hz	0 - 30Hz
Classification according to Directive 93/42/EEC	IIB	IIB
Insulation class / parts applied in accordance with EN 60601-1	I/BF	I/BF
Adjustable treatment time	Up to 99 minutes	Up to 99 minutes
Output channels	1	1
Stored protocols	32	32
Storable programs on the internal memory	200	200
Storable programs on the USB	4 Gb	4 Gb
Size	Trolley based 40,6 x 105 x 30 cm	39 x 17,5 x 28 cm
FEATURES LASER SOURCE		
Source type	Nd-Yag	Nd-Yag
Peak power in continuous mode	25W	12W
Wavelength	1064 nm	1064 nm
Laser Class according to EN 60825	4	4
DNRO (m)	3,19 m	2,20 m
Beam divergence	35°	35°

WAVE FORMS

	ELEKTRA	THERAPIC 2000	THERAPIC 7000	THERAPIC 9000
MONOPHASE	●	●	●	●
DIPHASE	●	●	●	●
SINC. MONOPHASE	●	●	●	●
SINC. DIPHASE	●	●	●	●
SHORT PERIOD	●	●	●	●
LONG PERIOD	●	●	●	●
RECTANGULAR	●	●	●	●
EXPONENTIAL	●		●	●
TRIANGULAR	●	●	●	●
TRAEBERT	●	●	●	●
RECTANGULAR FARADIC	●	●	●	●
TRIANGULAR FARADIC				
MODULATED FARADIC			●	●
TRIANGULAR NEODINAMIC	●	●	●	●
NEODYNAMIC	●		●	●
TENS	●	●	●	●
TENS S/A/R	●	●	●	●
TENS RANDOM S/A/R	●	●	●	●
AL TENS	●			
TENS BURST S/A/R	●	●	●	●
BIPHASIC SA	●	●	●	●
GALVANIC	●	●	●	●
IONTOPHORESIS		●	●	●
INTERRUPTED IONOPHORESIS				
KOTZ (RUSSIAN CURRENTS)	●	●		●
INTERFERENT	●	●		●
CLASSIC INTERFERENTIAL	●	●		●
ISOPLANAR INTERFENTIAL	●	●		●
VECTORIAL INTERFERENTIAL	●	●		●
H WAVE	●			
MICROCURRENTS	●			
APS	●			
HIGH VOLTAGE HVPC	●			
NMES	●			

WAVE FORMS

	COMBIMED 2200	COMBIMED 200	POLYTER 6	POLYTER 10
MONOPHASE	●		●	●
DIPHASE	●		●	●
SINC. MONOPHASE	●		●	●
SINC. DIPHASE	●		●	●
SHORT PERIOD	●		●	●
LONG PERIOD	●		●	●
RECTANGULAR	●	●	●	●
EXPONENTIAL	●			
TRIANGULAR	●	●	●	●
TRAEBERT	●	●		
RECTANGULAR FARADIC	●			●
TRIANGULAR FARADIC				●
MODULATED FARADIC	●			
TRIANGULAR NEODINAMIC	●			
NEODYNAMIC	●			
TENS	●	●	●	●
TENS S/A/R	●	●		
TENS RANDOM S/A/R	●	●		
AL TENS				
TENS BURST S/A/R	●	●		
BIPHASIC SA	●	●		
GALVANIC	●	●	●	●
IONTOPHORESIS	●	●		
INTERRUPTED IONOPHORESIS			●	●
KOTZ (RUSSIAN CURRENTS)	●	●		●
INTERFERENT	●	●		
CLASSIC INTERFERENTIAL	●	●		
ISOPLANAR INTERFENTIAL	●	●		
VECTORIAL INTERFERENTIAL	●	●		
H WAVE				
MICROCURRENTS				
APS				
HIGH VOLTAGE HVPC				

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